

SCHOOL OF CIVIL ENGINEERING



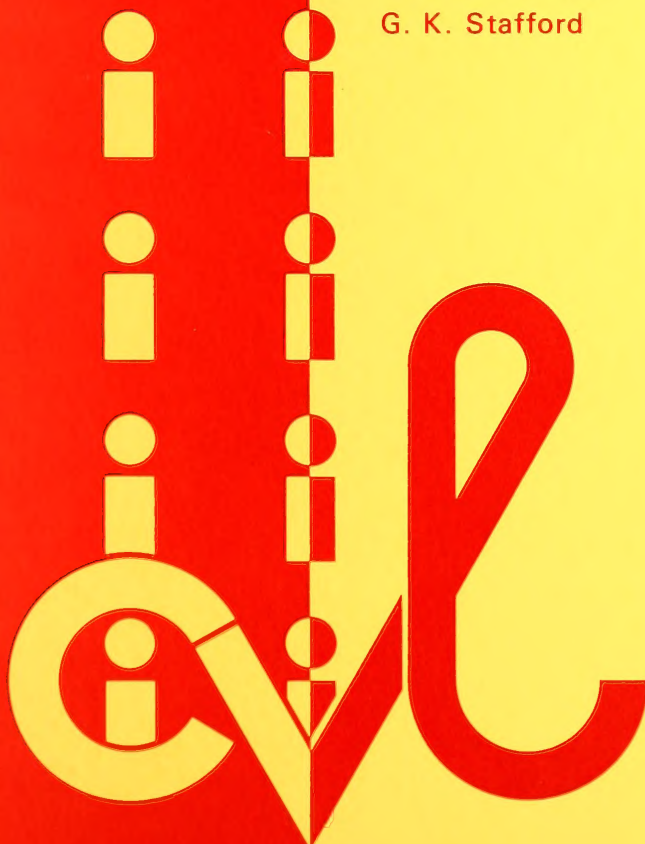
# JOINT HIGHWAY RESEARCH PROJECT

FHWA/IN/JHRP-80/12

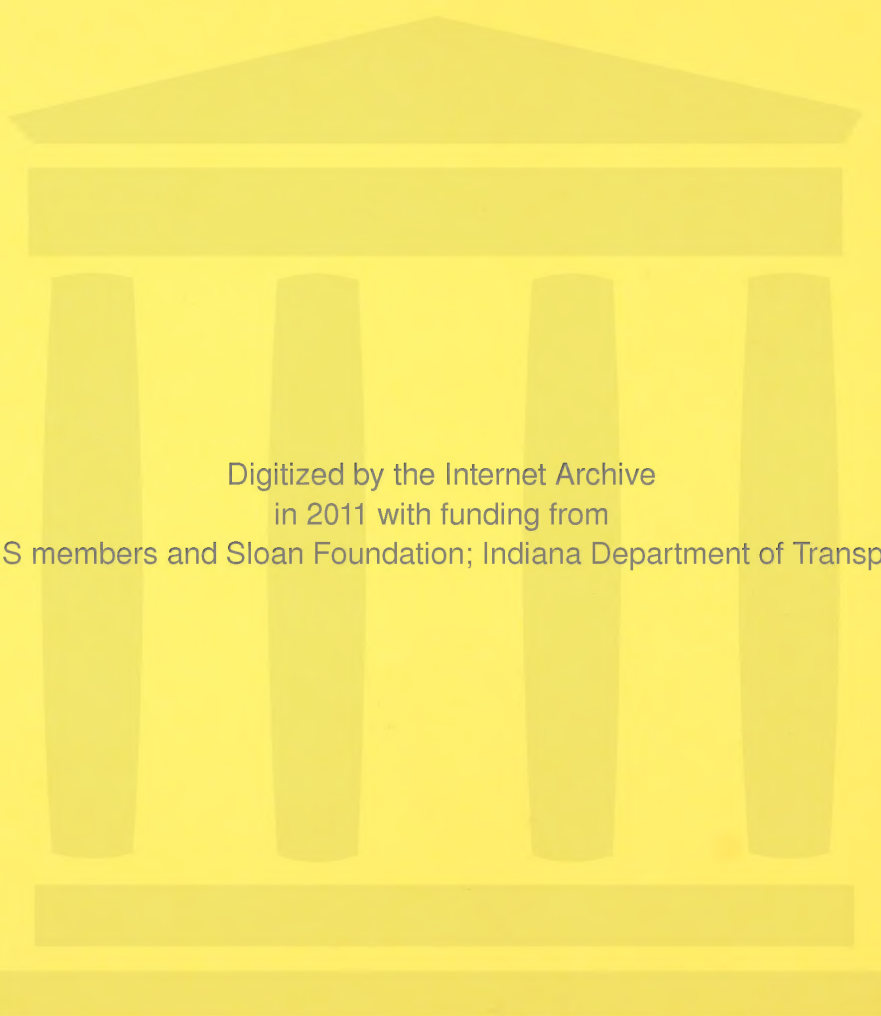
TRAFFIC SPEED REPORT NO. 113

R. P. Guenther

G. K. Stafford



PURDUE UNIVERSITY  
INDIANA STATE HIGHWAY COMMISSION



Digitized by the Internet Archive  
in 2011 with funding from  
LYRASIS members and Sloan Foundation; Indiana Department of Transportation

TRAFFIC SPEED REPORT NO. 113

TO: H. L. Michael, Director  
Joint Highway Research Project

August 26, 1980

FROM: R. P. Guenthner  
Graduate Research Assistant  
Joint Highway Research Project

File: 8-3-3

Project: C-36-10C

The attached Progress Report No. 113 on Traffic Speeds is the report of the April - June, 1980 quarterly study of automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. R. P. Guenthner, a Graduate Instructor in Research on our staff. The data collection was directed by Mr. G. K. Stafford of our staff. Professor H. L. Michael directed all phases of the study.

Results of this study indicate a statewide average of 53.9 per cent of the vehicles traveling above the 55 mph speed limit. This is within the limits of 60 per cent required for the year ending September 30, 1980 but not below the level of 50 per cent needed to qualify for an incentive grant.

Overall free flow results indicate that average speeds have decreased by 0.4 mph from the January - March, 1980 quarter. This change has been uniform across all vehicle types and highway classifications. Furthermore, the average speeds recorded during this past year have been quite consistant. The overall average has not varied more than 0.5 miles per hour. In all cases the speeds by highway classification and vehicle type have changed in proportion to the overall average speed.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,



Richard P. Guenthner  
Graduate Research Assistant

RPG/mag

cc: A. G. Altschaeffl  
W. L. Dolch  
R. L. Eskew  
G. D. Gibson  
W. H. Goetz  
M. J. Gutzwiller  
G. K. Hallock

D. E. Hancher  
K. R. Hoover  
J. F. McLaughlin  
R. D. Miles  
P. L. Owens  
G. T. Satterly

C. F. Scholer  
K. C. Sinha  
C. A. Venable  
L. E. Wood  
E. J. Yoder  
S. R. Yoder





Interim Report  
TRAFFIC SPEED REPORT NO. 113

by

R. P. Guenther  
Graduate Instructor in Research

and

G. K. Stafford  
Traffic Engineering Technician

Joint Highway Research Project

Project No.: C-36-10C

File No.: 8-3-3

Prepared as Part of an Investigation

Conducted by

Joint Highway Research Project  
Engineering Experiment Station  
Purdue University

in Cooperation with the

Indiana State Highway Commission

and the

U.S. Department of Transportation  
Federal Highway Administration

The opinions, findings and conclusions expressed in this publication  
are those of the authors and not necessarily those of the Federal  
Highway Administration

Purdue University  
West Lafayette, Indiana  
August 26, 1980



|   |  |   |           |
|---|--|---|-----------|
| 1. Report No.<br>FHWA/IN/JHRP-80/12   | 2. Government Accession No.                          | 3. Recipient's Catalog No.  |           |
| 4. Title and Subtitle<br>TRAFFIC SPEED REPORT NO. 113   |  | 5. Report Date<br>August 26, 1980   |           |
|   |  | 6. Performing Organization Code   |           |
| 7. Author(s)<br>R. P. Guenther and G. K. Stafford   |  | 8. Performing Organization Report No.<br>JHRP-80-12   |           |
| 9. Performing Organization Name and Address<br>Joint Highway Research Project<br>Civil Engineering Building<br>Purdue University<br>West Lafayette, Indiana 47907   |  | 10. Work Unit No.   |           |
|   |  | 11. Contract or Grant No.<br>HPR-1(18) Part I   |           |
| 12. Sponsoring Agency Name and Address<br>Indiana State Highway Commission<br>State Office Building<br>100 North Senate Avenue<br>Indianapolis, Indiana 47904   |  | 13. Type of Report and Period Covered<br>Interim Report<br>April - June 1980  |           |
|   |  | 14. Sponsoring Agency Code  |           |
| 15. Supplementary Notes<br>Conducted in cooperation with the U.S. Department of Transportation, Federal Highway Administration under a planning study titled "Speed Trends for Indiana Highways".   |  |   |           |
| 16. Abstract<br><p>This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the April-June 1980 quarter.</p> <p>This report includes the analysis of the interim speed monitoring procedures which are required as a result of the Surface Transportation Act of 1978. Results of this study indicate a statewide average of 53.9 percent of the vehicles traveling above the 55 mph speed limit. This report also includes analysis of free flow speeds. Results here show that the overall average speeds have changed only slightly during the past year. Where a change has taken place, the average speeds by highway classification and vehicle type have been in proportion to the overall average.</p> |  |   |           |
| 17. Key Words<br>Speeds, Highway Speeds, Rural Highway Speeds, Speed Trends, 55 mph Speed Effect  |  | 18. Distribution Statement<br>No restrictions. This document is available to the public through the National Technical Information Service, Springfield, Virginia 22161 |           |
| 19. Security Classif. (of this report)<br>Unclassified  | 20. Security Classif. (of this page)<br>Unclassified | 21. No. of Pages<br>65  | 22. Price |





## TRAFFIC SPEED REPORT NO. 113

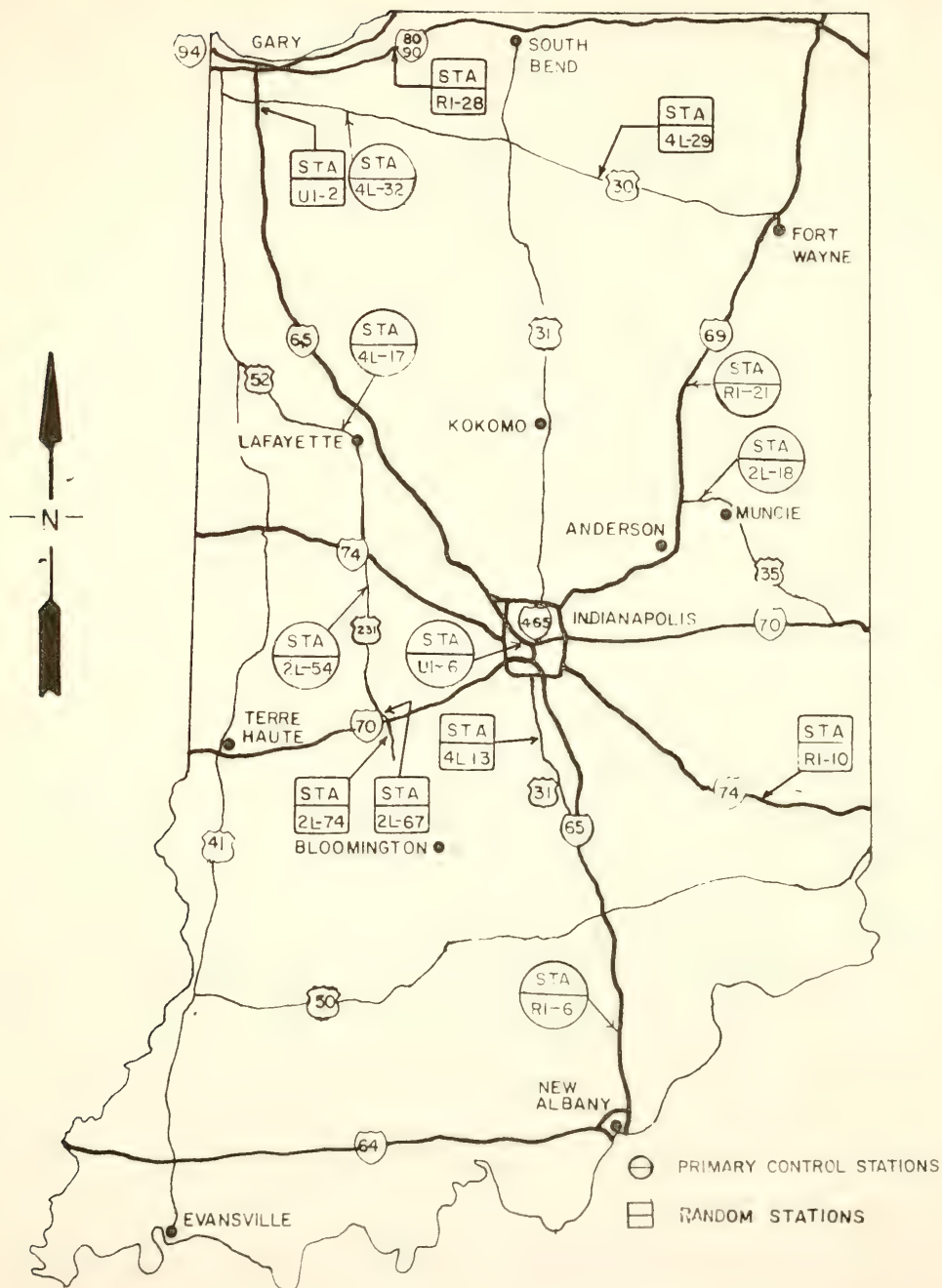
Included here is an analysis of spot speed observations made during April-June 1980 on Indiana highways. All observations were made of vehicles on level, tangent sections of rural and urban highways under favorable conditions. All observations were made during daylight. Observations of free flowing vehicles were made at all speed monitoring locations as has been done in the past. Additional data based on every nth vehicle were collected at specified locations to enable computation of those factors required by the interim speed monitoring procedures. This data collection procedure will be referred to as the "all vehicles" technique.

The speed monitoring stations for each highway classification are divided into two groups. The first group of seven (7) is identified as "primary control stations" and includes the same locations on selected Federal and State highways as used in each quarterly study. These stations are divided into four categories, including two rural interstate locations, two rural four-lane locations, two rural two-lane locations, and one urban interstate location.

The other group of seven stations were selected at random for this quarterly study. Two rural interstate sections were randomly selected from the 37 sections across the state. Likewise two rural four-lane sections and one urban interstate section were randomly selected from 33 and 8 sections respectively across the state. Two rural two-lane locations were selected from two randomly selected counties across the state. The exact location of each speed station was selected at a location which was level, tangent, away from any construction, and free from intersections or interchanges. No random station is repeated during the year ending September 30, 1980.

A total of fourteen (14) speed monitoring stations were used for the study reported herein. The speed limit at all stations is 55 miles per hour. The site locations follow and are also shown in Figure 1.





LOCATIONS OF SPEED-STUDY STATIONS

FIGURE 1





RURAL INTERSTATE HIGHWAYS

|          |                    |                           |
|----------|--------------------|---------------------------|
| + * RI-6 | I-65               | 7.5 Miles North of SR 160 |
| * RI-21  | I-69               | 1.6 Miles South of SR 18  |
| + RI-10  | I-74               | 8.7 Miles East of SR 229  |
| RI-28    | I-80&90(Toll Road) | 18.2 Miles East of SR 39  |

FOUR - LANE HIGHWAY

|           |       |   |
|-----------|-------|---|
| * 4L-17   | US 52 | 150 Feet East of CR 475 West              |
| + * 4L-32 | US 30 | 2.9 Miles West of Wanatah City Limit Sign |
| + 4L-13   | US 31 | 3.55 Miles North of SR 44                 |
| 4L-29     | US 30 | 5.35 Miles East of SR 15                  |

TWO - LANE HIGHWAY

|           |        |  |
|-----------|--------|--|
| + * 2L-18 | US 35  | In Driveway of Cleo Glass Residence<br>about 300 Yards West of 2.4 Miles<br>East of I-69 |
| * 2L-54   | US 231 | 1.1 Miles South of SR 234  |
| + 2L-67   | US 231 | 1.65 Miles South of US 40  |
| 2L-74     | US 231 | 2 Miles South of SR 70 at Road 600 North   |

URBAN INTERSTATE HIGHWAYS

|          |      |                             |
|----------|------|-----------------------------|
| + * UI-6 | I-65 | Just East of White River    |
| + UI-2   | I-65 | 1.6 Miles South of EB US 30 |

## \* PRIMARY CONTROL STATIONS

+ STATIONS AT WHICH DATA WAS COLLECTED USING THE "ALL VEHICLES" TECHNIQUE AS WELL AS USING THE FREE FLOW METHOD

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and light (less than 5000 lbs. gross weight) or heavy (equal to or more than 5000 lbs. gross weight) trucks. Analysis was performed for each vehicle classification and for combined passenger cars or trucks.



### Sample Size

A minimum of 200 vehicles in each direction were recorded using the free flow technique at each station. At least 25 of these vehicles were required to be heavy trucks.

At the selected stations, an additional 200 vehicles in each direction were sampled using the "all vehicles" technique. These stations included one randomly selected control station and one randomly selected random station in each of the four highway categories. For this technique, only speed data was recorded of each nth vehicle in the traffic stream. The traffic stream is all vehicles in one direction of movement if volume permits or by lane if high volumes require. If by lane, each lane was sampled for 15 minute periods and repeated until the sample required was obtained.

The value of n was 2 in all cases. If the nth vehicle speed could not be obtained, it was not recorded and the next nth vehicle was taken.

As stations where both sampling techniques were used, the two techniques were used interchangeably in 30 minute intervals until complete.

### Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder or as a normally parked vehicle in an access driveway to the road. The van was equipped with one-way vision windows on the rear and side facing traffic so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for at least 15 minutes. This problem primarily occurs on interstate roads.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than  $10^\circ$ . No corrections of speed were necessary at these small angles. The accuracy of the meter was checked at the beginning of each data recording session, every time the sampling technique was changed, and at other times when deemed necessary.

### Results of Analysis

The data collected were analyzed and are summarized in the Appendix. Tables A1 through A14 include the data for the free flow data on each individual station. Tables A15 through A18 summarize the free flow data by highway classification. Table A19 is the summary for all highways. Tables A20 through A32 summarize the data taken using the "all vehicles" technique. Tables A33 through A54 present the same information in the FHWA format.





The results of the free flow data expressed by highway classification and vehicle type are as follows:

Table 1: Average Speeds mph

|                        | <u>Interstate</u> |              | <u>Other</u><br><u>Four Lane</u> | <u>Two Lane</u> | <u>All</u> |
|------------------------|-------------------|--------------|----------------------------------|-----------------|------------|
|                        | <u>Urban</u>      | <u>Rural</u> | <u>Rural</u>                     | <u>Rural</u>    |            |
| <u>Passenger Cars:</u> |                   |              |                                  |                 |            |
| Indiana                | 57.9              | 58.3         | 55.9                             | 55.0            | 56.3       |
| Non-Indiana            | 58.5              | 59.0         | 57.4                             | 55.5            | 58.3       |
| All Passenger Cars     | 58.1              | 58.6         | 56.1                             | 55.0            | 56.8       |
| 85 Percentile (all)    | 61.9              | 62.1         | 60.4                             | 59.7            | 61.0       |
| <u>Trucks:</u>         |                   |              |                                  |                 |            |
| Less than 5000 lbs.    | 57.6              | 57.4         | 54.9                             | 54.2            | 55.6       |
| 5000 lbs. or more      | 57.9              | 59.0         | 56.3                             | 55.5            | 57.1       |
| <u>All Vehicles:</u>   |                   |              |                                  |                 |            |
| Average                | 58.0              | 58.6         | 56.0                             | 55.0            | 56.7       |
| 85 Percentile          | 62.1              | 62.3         | 60.3                             | 59.7            | 61.1       |

Table 2: Percent of Vehicles Exceeding 55 mph

|                        | <u>Interstate</u> |              | <u>Four Lane</u> | <u>Two Lane</u> | <u>All</u> |
|------------------------|-------------------|--------------|------------------|-----------------|------------|
|                        | <u>Urban</u>      | <u>Rural</u> |                  |                 |            |
| <u>Passenger Cars:</u> |                   |              |                  |                 |            |
| Indiana                | 71.2              | 76.5         | 53.3             | 46.2            | 57.6       |
| Non-Indiana            | 84.4              | 79.6         | 68.6             | 57.0            | 76.9       |
| All Passenger Cars     | 76.2              | 78.1         | 55.5             | 47.1            | 62.8       |
| <u>Trucks:</u>         |                   |              |                  |                 |            |
| Less than 5000 lbs.    | 66.1              | 63.7         | 45.8             | 41.6            | 50.9       |
| 5000 lbs. or more      | 74.7              | 79.6         | 60.5             | 49.8            | 65.4       |
| All Vehicles:          | 74.5              | 76.9         | 54.9             | 46.8            | 61.6       |

Table 3: Percent of Vehicles Exceeding 60 mph

|                        | <u>Interstate</u> |              | <u>Other</u><br><u>Four Lane</u> | <u>Two Lane</u> | <u>All</u> |
|------------------------|-------------------|--------------|----------------------------------|-----------------|------------|
|                        | <u>Urban</u>      | <u>Rural</u> | <u>Rural</u>                     | <u>Rural</u>    |            |
| <u>Passenger Cars:</u> |                   |              |                                  |                 |            |
| Indiana                | 28.0              | 26.4         | 15.5                             | 14.1            | 18.7       |
| Non-Indiana            | 26.4              | 32.1         | 22.6                             | 9.3             | 27.3       |
| All Passenger Cars     | 27.4              | 29.3         | 16.6                             | 13.7            | 21.0       |
| <u>Trucks:</u>         |                   |              |                                  |                 |            |
| Less than 5000 lbs.    | 27.3              | 21.8         | 13.2                             | 7.9             | 15.1       |
| 5000 lbs. or more      | 27.5              | 34.4         | 18.9                             | 17.5            | 24.8       |
| All Vehicles:          | 27.4              | 29.9         | 16.5                             | 13.6            | 21.0       |



Table 4: Percent of Vehicles Exceeding 65 mph

|                        | <u>Interstate</u> |              | <u>Other</u><br><u>Four Lane</u> | <u>Two Lane</u> | <u>All</u> |
|------------------------|-------------------|--------------|----------------------------------|-----------------|------------|
|                        | <u>Urban</u>      | <u>Rural</u> | <u>Rural</u>                     | <u>Rural</u>    |            |
| <u>Passenger Cars:</u> |                   |              |                                  |                 |            |
| Indiana                | 5.2               | 5.2          | 2.7                              | 2.6             | 3.5        |
| Non-Indiana            | 5.7               | 7.3          | 3.8                              | 1.2             | 5.8        |
| All Passenger Cars     | 5.4               | 6.3          | 2.9                              | 2.5             | 4.1        |
| <u>Trucks:</u>         |                   |              |                                  |                 |            |
| Less than 5000 lbs.    | 10.7              | 6.7          | 2.2                              | 1.6             | 4.1        |
| 5000 lbs. or more      | 4.5               | 7.2          | 1.5                              | 1.1             | 3.7        |
| All Vehicles:          | 5.9               | 6.6          | 2.5                              | 2.0             | 4.0        |

Table 5: Comparison of the Overall Speed Results

|                      | <u>April-June</u><br><u>1980</u> | <u>Jan-March</u><br><u>1980</u> | <u>Oct-Dec</u><br><u>1979</u> | <u>July-Sept</u><br><u>1979</u> |
|----------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------------|
| <u>Average</u>       |                                  |                                 |                               |                                 |
| All Passenger Cars   | 56.8                             | 57.2                            | 57.5                          | 56.9                            |
| Heavy Trucks         | 57.1                             | 56.7                            | 56.8                          | 56.9                            |
| All Trucks           | 56.5                             | 56.3                            | 56.7                          | 56.4                            |
| <u>85 Percentile</u> |                                  |                                 |                               |                                 |
| All Passenger Cars   | 61.0                             | 61.4                            | 62.0                          | 61.3                            |
| Heavy Trucks         | 61.7                             | 61.6                            | 61.5                          | 61.7                            |
| All Trucks           | 61.3                             | 61.3                            | 61.5                          | 61.2                            |
| <u>15 Percentile</u> |                                  |                                 |                               |                                 |
| Heavy Trucks         | 51.6                             | 50.8                            | 51.0                          | 51.2                            |

Table 6: Average Speeds On Interstate Highways (URBAN)

|                        | <u>April-June</u><br><u>1980</u> | <u>Jan-March</u><br><u>1980</u> | <u>Oct-Dec</u><br><u>1979</u> | <u>July-Sept</u><br><u>1979</u> |
|------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------------|
| <u>Passenger Cars:</u> |                                  |                                 |                               |                                 |
| Indiana                | 57.9                             | 57.9                            | 58.2                          | 56.7                            |
| Non-Indiana            | 58.5                             | 58.6                            | 59.0                          | 56.9                            |
| All Passenger Cars     | 58.1                             | 58.0                            | 58.3                          | 56.8                            |
| 85 Percentile (all)    | 61.9                             | 61.7                            | 61.9                          | 60.5                            |
| <u>Trucks:</u>         |                                  |                                 |                               |                                 |
| Less than 5000 lbs.    | 57.6                             | 57.3                            | 57.4                          | 56.6                            |
| 5000 lbs. or more      | 57.9                             | 56.8                            | 56.1                          | 56.4                            |





Table 7: Average Speeds On Interstate Highways (RURAL)

|                        | April-June<br>1980 | Jan-March<br>1980 | Oct-Dec<br>1979 | July-Sept<br>1979 |
|------------------------|--------------------|-------------------|-----------------|-------------------|
| <u>Passenger Cars:</u> |                    |                   |                 |                   |
| Indiana                | 58.3               | 58.4              | 59.1            | 58.5              |
| Non-Indiana            | 59.0               | 58.9              | 59.4            | 59.0              |
| All Passenger Cars     | 58.6               | 58.6              | 59.2            | 58.8              |
| 85 Percentile (all)    | 62.1               | 62.1              | 63.5            | 62.7              |
| <u>Trucks:</u>         |                    |                   |                 |                   |
| Less than 5000 lbs.    | 57.4               | 57.6              | 57.8            | 58.0              |
| 5000 lbs. or more      | 59.0               | 58.5              | 58.7            | 59.1              |

Table 8: Average Speed On Other Four-Lane Highways

|                        | April-June<br>1980 | Jan-March<br>1980 | Oct-Dec<br>1979 | July-Sept<br>1979 |
|------------------------|--------------------|-------------------|-----------------|-------------------|
| <u>Passenger Cars:</u> |                    |                   |                 |                   |
| Indiana                | 55.9               | 55.8              | 56.7            | 56.1              |
| Non-Indiana            | 57.4               | 58.4              | 57.6            | 55.9              |
| All Passenger Cars     | 56.1               | 56.3              | 56.8            | 56.1              |
| 85 Percentile (all)    | 60.4               | 60.3              | 61.2            | 60.7              |
| <u>Trucks:</u>         |                    |                   |                 |                   |
| Less than 5000 lbs.    | 54.9               | 55.0              | 55.8            | 55.2              |
| 5000 lbs. or more      | 56.3               | 55.7              | 56.1            | 56.3              |

Table 9: Average Speeds On Two-Lane Highways

|                        | April-June<br>1980 | Jan-March<br>1980 | Oct-Dec<br>1979 | July-Sept<br>1979 |
|------------------------|--------------------|-------------------|-----------------|-------------------|
| <u>Passenger Cars:</u> |                    |                   |                 |                   |
| Indiana                | 55.0               | 55.9              | 56.4            | 55.8              |
| Non-Indiana            | 55.5               | 55.5              | 56.9            | 56.0              |
| All Passenger Cars     | 55.0               | 55.9              | 56.5            | 55.8              |
| 85 Percentile (all)    | 59.7               | 61.0              | 61.0            | 60.2              |
| <u>Trucks:</u>         |                    |                   |                 |                   |
| Less than 5000 lbs.    | 54.2               | 54.6              | 56.1            | 54.4              |
| 5000 lbs. or more      | 55.5               | 54.4              | 54.4            | 55.3              |



## SPEED SUMMARY REPORT

Send to Office of Highway Planning HHP-44

QUARTERLY REPORT-CALENDAR QUARTER ENDING June 30, 1980

STATE Indiana (State Code, Quarter, Year)

| SYSTEM  | CARD NO. | VMT WEIGHTING FACTOR | MILES   | No. of SESSIONS | No. of VEHICLES OBSERVED | DATA TYPE          | PERCENT EXCEEDING 55 MPH | SPEED |        | PERCENT EXCEEDING 60 MPH |
|---|----------|----------------------|---------|-----------------|--------------------------|--------------------|--------------------------|-------|--------|--------------------------|
|   |          |                      |         |                 |                          |                    |                          | AVE.  | MEDIAN |                          |
| INTERSTATE URBAN  | 12       | 1 6 5                | 2 1 8   | 2               | 8 5 8                    | Free Flow          | 7 4 5                    | 5 8 0 | 5 7 4  | 2 7 4                    |
|   | 13       |                      |         |                 |                          | All Vehicle Factor | 9 4 8                    | 9 9 7 | 9 9 3  | 1 0 0                    |
|   | 14       |                      |         |                 |                          | All Vehicles       | 7 0 6                    | 5 7 8 | 5 7 0  | 2 7 4                    |
| INTERSTATE RURAL  | 22       | 2 5 1                | 8 4 9   | 4               | 1 7 0 3                  | Free Flow          | 7 6 9                    | 5 8 6 | 5 7 9  | 2 9 9                    |
|   | 23       |                      |         |                 |                          | All Vehicle Factor | 8 6 6                    | 9 7 6 | 9 8 1  | 6 7 6                    |
|   | 24       |                      |         |                 |                          | All Vehicles       | 6 6 6                    | 5 7 2 | 5 6 8  | 2 0 2                    |
| MULTI LANE DIVIDED  | 32       | 1 7 0                | 6 5 7   | 4               | 1 7 1 7                  | Free Flow          | 5 4 9                    | 5 6 0 | 5 5 6  | 1 6 5                    |
|   | 33       |                      |         |                 |                          | All Vehicle Factor | 9 3 3                    | 9 9 3 | 9 9 1  | 8 5 4                    |
|   | 34       |                      |         |                 |                          | All Vehicles       | 5 1 2                    | 5 5 6 | 5 5 1  | 1 4 1                    |
| MULTI LANE DIVIDED<br>(Included in multi-lane divided classification) | 42       |                      |         |                 |                          | Free Flow          |                          |       |        |                          |
|   | 43       |                      |         |                 |                          | All Vehicle Factor |                          |       |        |                          |
|   | 44       |                      |         |                 |                          | All Vehicles       |                          |       |        |                          |
| TWO LANE RURAL  | 52       | 4 1 4                | 8 0 3 0 | 4               | 1 7 1 4                  | Free Flow          | 4 6 8                    | 5 5 0 | 5 4 7  | 1 1 3 6                  |
|   | 53       |                      |         |                 |                          | All Vehicle Factor | 8 6 5                    | 9 8 7 | 9 8 9  | 7 2 1                    |
|   | 54       |                      |         |                 |                          | All Vehicles       | 4 0 5                    | 5 4 3 | 5 4 1  | 1 9 8                    |
| STATEWIDE TOTALS  | 64       | 1 0 0 0              | 9 7 5 4 | 1 4             | 5 9 9 2                  | All Vehicles       | 5 3 9                    | 5 5 8 | 5 5 4  | 1 6 0                    |

PERCENT OF TOTAL STATEWIDE VMT ON FACILITIES WITH 55 MPH SPEED LIMITS.

1 5 1 5 2 5 3 4 1





Table 11: Statewide Weighted Averages from Past Reports

| <u>Report No.</u> | <u>Date</u>             | <u>Statewide Weighted<br/>Percent Vehicles<br/>Exceeding<br/>55 mph</u> | <u>Statewide<br/>Weighted<br/>Average<br/>Speed</u> |
|-------------------|-------------------------|---|---|
| 113               | April - June 1980       | 53.9  | 55.8  |
| 112               | January - March 1980    | 61.0  | 56.6  |
| 111               | October - December 1979 | 59.0  | 56.4  |
| 110               | July - September 1979   | 53.5  | 55.8  |
| 109               | April - June 1979       | 62.3  | 56.9  |
| 108               | January - March 1979    | 66.5  | 57.7  |
| 107               | October - December 1978 | 68.9  | 57.9  |
| 106               | July - September 1978   | 61.5  | 56.8  |
| 105               | April - June 1978       | 66.0  | 57.6  |
| 104               | January - March 1978    | 67.9  | 58.0  |
| 103               | October - December 1977 | 69.9  | 58.3  |
| 102               | July - September 1977   | 61.9  | 56.9  |
| 101               | April - June 1977       | 65.8  | 57.6  |
| 100               | January - March 1977    | 60.2  | 56.8  |
| 99                | October - December 1976 | 59.1  | 56.7  |
| 98                | July - September 1976   | 63.7  | 57.2  |
| 97                | April - June 1976       | 57.1  | 56.2  |



### Analysis of Data from "All Traffic" Collection Technique

Conversion factors for allowing free-flow data to represent all traffic were obtained as prescribed in the FHWA document "Interim Speed Monitoring Procedures." These conversion factors were found by dividing a given statistic for all vehicles by the same statistic for free-flow. This was done by highway classification for, percent vehicles exceeding 55 mph, average speed, median speed, 85 percentile speed, percent exceeding 50 mph, and percent exceeding 65 mph. These factors are shown in Table 10.

The computation for the weighted statewide compliance level (percent vehicles exceeding 55 mph) is shown at the bottom of Table 10. Computation of statewide averages for the other statistics was done using the same technique and weighting factors. These averages are also included in Table 10.

Table 11 shows the trend during the past four years of the statewide weighted average speed and percent vehicles exceeding 55 mph. This table shows that the values recorded during this quarter are slightly higher than those values recorded during the July-September 1979 quarter. However, the recorded data during any other quarter since 1976 has not been as low as it was during the last quarter.

### Conclusions

The overall results indicate that very little change in speeds has occurred during this past year. The overall average recorded free flow speed decreased from 57.1 miles per hour during the previous quarter (January-March 1980) to 56.7 miles per hour during this quarter. This drop in average speed was very consistent for each highway type and vehicle classification.

In addition, the results were very similar but slightly lower than the results found during the October-December 1979 quarter. Comparison with the results of the July-September 1979 quarter shows speeds almost identical with those recorded during this quarter. The overall average free flow speed for each of the past four quarters was as follows:

|                         |      |
|-------------------------|------|
| April - May 1980        | 56.7 |
| January - March 1980    | 57.1 |
| October - December 1979 | 57.2 |
| July - September 1979   | 56.7 |

The conclusion can be made that the overall speeds have been virtually the same during this past year. However, the slight changes which have been made are consistent over each vehicle type and highway classification.

The value of 53.9 percent for the statewide compliance level is well below the maximum of 60 percent allowed by Federal regulations for the year ending September 30, 1980, to receive full highway funding. Unless substantial changes occur during the next quarter, the annual statewide compliance level will most likely be below the 60 percent level required.



## APPENDIX





## TABLE A-1 SPEED DATA FREE FLOW

STATION HI-6 HIGHWAY I-65 LOCATION 7.5 miles north of SR 160

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION DATE 6/11/80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 112)

TIME 10:50a.m. 12:05p.m. NB  
8:30 - 9:50a.m. SB

|                     |                    | PASSENGER CARS |      |       | NON-INDIANA |      |       | ALL  |      |       | TRUCKS |      |       |
|---------------------|--------------------|----------------|------|-------|-------------|------|-------|------|------|-------|--------|------|-------|
|                     |                    | LAST           | ENT  | PRES- | LAST        | ENT  | PRES- | LAST | ENT  | PRES- | LAST   | ENT  | PRES- |
| OBSERVATION         | NUMBER OF VEHICLES | 247            | 237  | 142   | 156         | 95   | 177   | 189  | 59   | 70    | 107    | 132  | 132   |
| AVERAGE SPEED (MPH) | 59.2               | 58.8           | 58.0 | 58.2  | 59.5        | 59.2 | 58.3  | 58.5 | 57.2 | 57.0  | 58.7   | 58.4 | 58.4  |
| STANDARD DEVIATION  | 3.6                | 3.6            | 4.4  | 3.6   | 3.6         | 4.2  | 3.3   | 3.3  | 4.2  | 4.2   | 3.3    | 3.3  | 3.3   |
| PERCENT OF          | 32 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 34 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 36 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 38 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 40 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 42 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 44 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 46 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 48 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 50 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 52 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 54 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 56 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 58 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 60 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 62 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 64 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 66 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 68 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 70 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 72 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 74 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 76 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 78 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
|                     | 80 MPH             | 0              | 0    | 0     | 0           | 0    | 0     | 0    | 0    | 0     | 0      | 0    | 0     |
| DIRECTION           | NUMBER OF VEHICLES | 115            | 114  | 53    | 57          | 61   | 92    | 97   | 28   | 40    | 53     | 53   | 53    |
| AVERAGE SPEED       | 59.2               | 59.3           | 58.2 | 56.7  | 59.2        | 59.4 | 58.5  | 58.4 | 56.7 | 58.1  | 58.8   | 59.1 | 59.1  |
| DIRECTION           | NUMBER OF VEHICLES | 123            | 123  | 89    | 59          | 34   | 84    | 92   | 31   | 30    | 54     | 54   | 54    |
| AVERAGE SPEED       | 59.2               | 59.1           | 59.1 | 55.2  | 59.8        | 58.9 | 58.0  | 58.2 | 57.1 | 56.8  | 58.6   | 58.5 | 58.5  |



# TABLE A-2 SPEED DATA FREE FLOW

STATION RI-21 HIGHWAY I-69 LOCATION 1.6 miles south of SR 18

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION DATE 6/4/80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 112)  
 TIME 10:45 - 11:45 AM NB DATE 3/3/80  
 TIME 12:01 - 12:55 PM SB TIME 2:05-2:35PM NB TIME 1:15-1:40 PM NB  
 TIME 11:00AM - 12:20PM SB

| PASSENGER CARS     |  |  |  |  |         |  |  |  |  | TRUCKS      |  |  |  |  |       |  |  |  |  |       |  |  |  |  |       |  |  |  |  |       |  |  |  |  |       |  |  |  |  |       |  |  |  |  |
|--------------------|--|--|--|--|---------|--|--|--|--|-------------|--|--|--|--|-------|--|--|--|--|-------|--|--|--|--|-------|--|--|--|--|-------|--|--|--|--|-------|--|--|--|--|-------|--|--|--|--|
| ALL                |  |  |  |  | INDIANA |  |  |  |  | NON-INDIANA |  |  |  |  | ALL   |  |  |  |  | <500  |  |  |  |  | >500  |  |  |  |  |       |  |  |  |  |       |  |  |  |  |       |  |  |  |  |
| PRES-              |  |  |  |  | PRES-   |  |  |  |  | PRES-       |  |  |  |  | PRES- |  |  |  |  | PRES- |  |  |  |  | PRES- |  |  |  |  |       |  |  |  |  |       |  |  |  |  |       |  |  |  |  |
| LAST               |  |  |  |  | ENT     |  |  |  |  | LAST        |  |  |  |  | ENT   |  |  |  |  | LAST  |  |  |  |  | ENT   |  |  |  |  |       |  |  |  |  |       |  |  |  |  |       |  |  |  |  |
| NUMBER OF VEHICLES |  |  |  |  | 289     |  |  |  |  | 157         |  |  |  |  | 111   |  |  |  |  | 134   |  |  |  |  | 157   |  |  |  |  | 37    |  |  |  |  | 97    |  |  |  |  |       |  |  |  |  |
| AVE. SPEED (MPH)   |  |  |  |  | 58.6    |  |  |  |  | 58.6        |  |  |  |  | 58.6  |  |  |  |  | 58.6  |  |  |  |  | 58.6  |  |  |  |  | 58.6  |  |  |  |  | 58.6  |  |  |  |  | 58.6  |  |  |  |  |
| STANDARD DEVIATION |  |  |  |  | 4.477   |  |  |  |  | 4.374       |  |  |  |  | 4.286 |  |  |  |  | 4.235 |  |  |  |  | 4.687 |  |  |  |  | 4.350 |  |  |  |  | 4.343 |  |  |  |  | 4.326 |  |  |  |  |
| 74 MPH             |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 79 MPH             |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 84 MPH             |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 89 MPH             |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 94 MPH             |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 99 MPH             |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 104 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 109 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 114 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 119 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 124 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 129 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 134 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 139 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 144 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 149 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 154 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 159 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 164 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 169 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 174 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 179 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 184 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 189 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 194 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 199 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 204 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 209 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 214 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 219 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 224 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 229 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 234 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 239 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 244 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 249 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 254 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 259 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 264 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 269 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 274 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 279 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 284 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 289 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 294 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 299 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 304 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 309 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 314 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 319 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 324 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 329 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 334 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 339 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 344 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 349 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 354 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 359 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 364 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 369 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 374 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 379 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 384 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 389 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 394 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 399 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 404 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 409 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 414 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 419 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 424 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 429 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 434 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 439 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 444 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 449 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 454 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 459 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 464 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 469 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 474 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 479 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 484 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 489 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 494 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 499 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 504 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 509 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 514 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 519 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 524 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 529 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 534 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 539 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 544 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 549 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 554 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 559 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 564 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 569 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 574 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 579 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 584 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 589 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 594 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 599 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 604 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 609 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 614 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 619 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 624 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 629 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 634 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 639 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 644 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 649 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 654 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 659 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 664 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 669 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 674 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 679 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 684 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 689 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 694 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |
| 699 MPH            |  |  |  |  | 1       |  |  |  |  | 1           |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  | 1     |  |  |  |  |       |  |  |  |  |       |  |  |  |  |       |  |  |  |  |



# TABLE A-3 SPEED DATA FREE FLOW

STATION RI-10 HIGHWAY I-74 LOCATION 8.7 miles east of SR 229

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

## THIS OBSERVATION

DATE 5/29/80

TIME 8:40 - 10:05 AM

EB WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.     )

DATE

TIME

|                     | PASSENGER CARS |      |      | NON-INDIANA |      |      | ALL  |      |      | TRUCKS |      |      |
|---------------------|----------------|------|------|-------------|------|------|------|------|------|--------|------|------|
|                     | LAST           | ENT  | LAST | LAST        | ENT  | LAST | LAST | ENT  | LAST | LAST   | ENT  | LAST |
| OBSERVATION         | ENT            | ENT  | ENT  | ENT         | ENT  | ENT  | ENT  | ENT  | ENT  | ENT    | ENT  | ENT  |
| NUMBER OF VEHICLES  | 240            | 169  | 169  | 169         | 80   | 181  | 181  | 181  | 181  | 181    | 181  | 181  |
| AVERAGE SPEED (MPH) | 58.2           | 58.2 | 58.2 | 58.2        | 58.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2   | 56.2 | 56.2 |
| STANDARD DEVIATION  | 5.2            | 5.2  | 5.2  | 5.2         | 4.7  | 4.7  | 4.7  | 4.7  | 4.7  | 4.7    | 4.7  | 4.7  |
| PERCENT             | 24             | 24   | 24   | 24          | 24   | 24   | 24   | 24   | 24   | 24     | 24   | 24   |
| OF                  | 24             | 24   | 24   | 24          | 24   | 24   | 24   | 24   | 24   | 24     | 24   | 24   |
| VEHICLES            | 24             | 24   | 24   | 24          | 24   | 24   | 24   | 24   | 24   | 24     | 24   | 24   |
| TRAVELING           | 24             | 24   | 24   | 24          | 24   | 24   | 24   | 24   | 24   | 24     | 24   | 24   |
| AT OR               | 24             | 24   | 24   | 24          | 24   | 24   | 24   | 24   | 24   | 24     | 24   | 24   |
| LESS THAN           | 24             | 24   | 24   | 24          | 24   | 24   | 24   | 24   | 24   | 24     | 24   | 24   |
| DIRECTION           | EB             | EB   | EB   | EB          | EB   | EB   | EB   | EB   | EB   | EB     | EB   | EB   |
| NUMBER OF VEHICLES  | 126            | 104  | 104  | 104         | 126  | 87   | 87   | 87   | 87   | 87     | 87   | 87   |
| AVERAGE SPEED       | 57.6           | 57.6 | 57.6 | 57.6        | 57.6 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3   | 56.3 | 56.3 |
| DIRECTION           | WB             | WB   | WB   | WB          | WB   | WB   | WB   | WB   | WB   | WB     | WB   | WB   |
| NUMBER OF VEHICLES  | 123            | 65   | 65   | 65          | 58   | 94   | 94   | 94   | 94   | 94     | 94   | 94   |
| AVERAGE SPEED       | 58.6           | 58.6 | 58.6 | 58.6        | 58.6 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1   | 56.1 | 56.1 |









STATION 4L-17 HIGHWAY US 52 LOCATION 150 ft east of County Road 475 West

NO. OF LANES 4 TYPE (F SURFACE Asphalt WEATHER Sunny - Warm

| THIS OBSERVATION |                     | LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 112) |                    |
|------------------|---------------------|--|--------------------|
| DATE             | 5/27/80             | DATE   | 2/25/80            |
| TIME             | 9:30 - 10:45 AM     | TIME   | 8:25 - 8:55 AM     |
|                  | 11:00 AM - 12:30 PM |  | 9:05 AM - 12:50 PM |
|                  | WB                  |  | WB                 |

12:25 - 1:40 PM FB

TRUCKS

PASSENGER CARS

|  |       |         |             |       |           |
|--|-------|---------|-------------|-------|-----------|
|  | ALL   | INDIANA | NON-INDIANA | ALL   | <500 LES- |
|  | PRES- | PRES-   | PRES-       | PRES- | PRES-     |

| Observation | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th  | 10th | 11th | 12th | 13th | 14th | 15th | 16th | 17th | 18th | 19th | 20th | 21st | 22nd | 23rd | 24th | 25th | 26th | 27th | 28th | 29th | 30th | 31st | 32nd | 33rd | 34th | 35th | 36th | 37th | 38th | 39th | 40th | 41st | 42nd | 43rd | 44th | 45th | 46th | 47th | 48th | 49th | 50th | 51st | 52nd | 53rd | 54th | 55th | 56th | 57th | 58th | 59th | 60th | 61st | 62nd | 63rd | 64th | 65th | 66th | 67th | 68th | 69th | 70th | 71st | 72nd | 73rd | 74th | 75th | 76th | 77th | 78th | 79th | 80th | 81st | 82nd | 83rd | 84th | 85th | 86th | 87th | 88th | 89th | 90th | 91st | 92nd | 93rd | 94th | 95th | 96th | 97th | 98th | 99th  | 100th |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 1st         | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | 11th | 12th | 13th | 14th | 15th | 16th | 17th | 18th | 19th | 20th | 21st | 22nd | 23rd | 24th | 25th | 26th | 27th | 28th | 29th | 30th | 31st | 32nd | 33rd | 34th | 35th | 36th | 37th | 38th | 39th | 40th | 41st | 42nd | 43rd | 44th | 45th | 46th | 47th | 48th | 49th | 50th | 51st | 52nd | 53rd | 54th | 55th | 56th | 57th | 58th | 59th | 60th | 61st | 62nd | 63rd | 64th | 65th | 66th | 67th | 68th | 69th | 70th | 71st | 72nd | 73rd | 74th | 75th | 76th | 77th | 78th | 79th | 80th | 81st | 82nd | 83rd | 84th | 85th | 86th | 87th | 88th | 89th | 90th | 91st | 92nd | 93rd | 94th | 95th | 96th | 97th | 98th | 99th | 100th |       |

[illegible]

| NUMBER OF VENTURES | 3-5 | 6-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | 101-120 | 121-140 | 141-160 | 161-180 | 181-200 | 201-250 | 251-300 | 301-350 | 351-400 | 401-450 | 451-500 | 501-550 | 551-600 | 601-650 | 651-700 | 701-750 | 751-800 | 801-850 | 851-900 | 901-950 | 951-1000 | 1001-1100 | 1101-1200 | 1201-1300 | 1301-1400 | 1401-1500 | 1501-1600 | 1601-1700 | 1701-1800 | 1801-1900 | 1901-2000 | 2001-2500 | 2501-3000 | 3001-3500 | 3501-4000 | 4001-4500 | 4501-5000 | 5001-5500 | 5501-6000 | 6001-6500 | 6501-7000 | 7001-7500 | 7501-8000 | 8001-8500 | 8501-9000 | 9001-9500 | 9501-10000 | 10001-11000 | 11001-12000 | 12001-13000 | 13001-14000 | 14001-15000 | 15001-16000 | 16001-17000 | 17001-18000 | 18001-19000 | 19001-20000 | 20001-25000 | 25001-30000 | 30001-35000 | 35001-40000 | 40001-45000 | 45001-50000 | 50001-55000 | 55001-60000 | 60001-65000 | 65001-70000 | 70001-75000 | 75001-80000 | 80001-85000 | 85001-90000 | 90001-95000 | 95001-100000 | 100001-110000 | 110001-120000 | 120001-130000 | 130001-140000 | 140001-150000 | 150001-160000 | 160001-170000 | 170001-180000 | 180001-190000 | 190001-200000 | 200001-250000 | 250001-300000 | 300001-350000 | 350001-400000 | 400001-450000 | 450001-500000 | 500001-550000 | 550001-600000 | 600001-650000 | 650001-700000 | 700001-750000 | 750001-800000 | 800001-850000 | 850001-900000 | 900001-950000 | 950001-1000000 | 1000001-1100000 | 1100001-1200000 | 1200001-1300000 | 1300001-1400000 | 1400001-1500000 | 1500001-1600000 | 1600001-1700000 | 1700001-1800000 | 1800001-1900000 | 1900001-2000000 | 2000001-2500000 | 2500001-3000000 | 3000001-3500000 | 3500001-4000000 | 4000001-4500000 | 4500001-5000000 | 5000001-5500000 | 5500001-6000000 | 6000001-6500000 | 6500001-7000000 | 7000001-7500000 | 7500001-8000000 | 8000001-8500000 | 8500001-9000000 | 9000001-9500000 | 9500001-10000000 | 10000001-11000000 | 11000001-12000000 | 12000001-13000000 | 13000001-14000000 | 14000001-15000000 | 15000001-16000000 | 16000001-17000000 | 17000001-18000000 | 18000001-19000000 | 19000001-20000000 | 20000001-25000000 | 25000001-30000000 | 30000001-35000000 | 35000001-40000000 | 40000001-45000000 | 45000001-50000000 | 50000001-55000000 | 55000001-60000000 | 60000001-65000000 | 65000001-70000000 | 70000001-75000000 | 75000001-80000000 | 80000001-85000000 | 85000001-90000000 | 90000001-95000000 | 95000001-100000000 | 100000001-110000000 | 110000001-120000000 | 120000001-130000000 | 130000001-140000000 | 140000001-150000000 | 150000001-160000000 | 160000001-170000000 | 170000001-180000000 | 180000001-190000000 | 190000001-200000000 | 200000001-250000000 | 250000001-300000000 | 300000001-350000000 | 350000001-400000000 | 400000001-450000000 | 450000001-500000000 | 500000001-550000000 | 550000001-600000000 | 600000001-650000000 | 650000001-700000000 | 700000001-750000000 | 750000001-800000000 | 800000001-850000000 | 850000001-900000000 | 900000001-950000000 | 950000001-1000000000 | 1000000001-1100000000 | 1100000001-1200000000 | 1200000001-1300000000 | 1300000001-1400000000 | 1400000001-1500000000 | 1500000001-1600000000 | 1600000001-1700000000 | 1700000001-1800000000 | 1800000001-1900000000 | 1900000001-2000000000 | 2000000001-2500000000 | 2500000001-3000000000 | 3000000001-3500000000 | 3500000001-4000000000 | 4000000001-4500000000 | 4500000001-5000000000 | 5000000001-5500000000 | 5500000001-6000000000 | 6000000001-6500000000 | 6500000001-7000000000 | 7000000001-7 |
|--------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------|
|--------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------|

[illegible]

| STANDARD DEVIATION | 3.181  | 3.325  | 3.477  | 3.634  | 3.797  | 3.966  | 4.141  | 4.322  | 4.509  | 4.702  | 4.900  | 5.104  | 5.314  | 5.530  | 5.752  | 5.980  | 6.214  | 6.454  | 6.700  | 6.952  | 7.210  | 7.474  | 7.744  | 8.020  | 8.302  | 8.590  | 8.884  | 9.184  | 9.490  | 9.802  | 10.120 |        |        |        |        |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1                  | 0.0044 | 0.0045 | 0.0046 | 0.0047 | 0.0048 | 0.0049 | 0.0050 | 0.0051 | 0.0052 | 0.0053 | 0.0054 | 0.0055 | 0.0056 | 0.0057 | 0.0058 | 0.0059 | 0.0060 | 0.0061 | 0.0062 | 0.0063 | 0.0064 | 0.0065 | 0.0066 | 0.0067 | 0.0068 | 0.0069 | 0.0070 | 0.0071 | 0.0072 | 0.0073 | 0.0074 | 0.0075 |        |        |        |
| 2                  | 0.0076 | 0.0077 | 0.0078 | 0.0079 | 0.0080 | 0.0081 | 0.0082 | 0.0083 | 0.0084 | 0.0085 | 0.0086 | 0.0087 | 0.0088 | 0.0089 | 0.0090 | 0.0091 | 0.0092 | 0.0093 | 0.0094 | 0.0095 | 0.0096 | 0.0097 | 0.0098 | 0.0099 | 0.0100 | 0.0101 | 0.0102 | 0.0103 | 0.0104 | 0.0105 | 0.0106 | 0.0107 |        |        |        |
| 3                  | 0.0108 | 0.0109 | 0.0110 | 0.0111 | 0.0112 | 0.0113 | 0.0114 | 0.0115 | 0.0116 | 0.0117 | 0.0118 | 0.0119 | 0.0120 | 0.0121 | 0.0122 | 0.0123 | 0.0124 | 0.0125 | 0.0126 | 0.0127 | 0.0128 | 0.0129 | 0.0130 | 0.0131 | 0.0132 | 0.0133 | 0.0134 | 0.0135 | 0.0136 | 0.0137 | 0.0138 | 0.0139 | 0.0140 |        |        |
| 4                  | 0.0141 | 0.0142 | 0.0143 | 0.0144 | 0.0145 | 0.0146 | 0.0147 | 0.0148 | 0.0149 | 0.0150 | 0.0151 | 0.0152 | 0.0153 | 0.0154 | 0.0155 | 0.0156 | 0.0157 | 0.0158 | 0.0159 | 0.0160 | 0.0161 | 0.0162 | 0.0163 | 0.0164 | 0.0165 | 0.0166 | 0.0167 | 0.0168 | 0.0169 | 0.0170 | 0.0171 | 0.0172 | 0.0173 | 0.0174 |        |
| 5                  | 0.0175 | 0.0176 | 0.0177 | 0.0178 | 0.0179 | 0.0180 | 0.0181 | 0.0182 | 0.0183 | 0.0184 | 0.0185 | 0.0186 | 0.0187 | 0.0188 | 0.0189 | 0.0190 | 0.0191 | 0.0192 | 0.0193 | 0.0194 | 0.0195 | 0.0196 | 0.0197 | 0.0198 | 0.0199 | 0.0200 | 0.0201 | 0.0202 | 0.0203 | 0.0204 | 0.0205 | 0.0206 | 0.0207 | 0.0208 |        |
| 6                  | 0.0209 | 0.0210 | 0.0211 | 0.0212 | 0.0213 | 0.0214 | 0.0215 | 0.0216 | 0.0217 | 0.0218 | 0.0219 | 0.0220 | 0.0221 | 0.0222 | 0.0223 | 0.0224 | 0.0225 | 0.0226 | 0.0227 | 0.0228 | 0.0229 | 0.0230 | 0.0231 | 0.0232 | 0.0233 | 0.0234 | 0.0235 | 0.0236 | 0.0237 | 0.0238 | 0.0239 | 0.0240 | 0.0241 | 0.0242 |        |
| 7                  | 0.0243 | 0.0244 | 0.0245 | 0.0246 | 0.0247 | 0.0248 | 0.0249 | 0.0250 | 0.0251 | 0.0252 | 0.0253 | 0.0254 | 0.0255 | 0.0256 | 0.0257 | 0.0258 | 0.0259 | 0.0260 | 0.0261 | 0.0262 | 0.0263 | 0.0264 | 0.0265 | 0.0266 | 0.0267 | 0.0268 | 0.0269 | 0.0270 | 0.0271 | 0.0272 | 0.0273 | 0.0274 | 0.0275 | 0.0276 | 0.0277 |
| 8                  | 0.0278 | 0.0279 | 0.0280 | 0.0281 | 0.0282 | 0.0283 | 0.0284 | 0.0285 | 0.0286 | 0.0287 | 0.0288 | 0.0289 | 0.0290 | 0.0291 | 0.0292 | 0.0293 | 0.0294 | 0.0295 | 0.0296 | 0.0297 | 0.0298 | 0.0299 | 0.0300 | 0.0301 | 0.0302 | 0.0303 | 0.0304 | 0.0305 | 0.0306 | 0.0307 | 0.0308 | 0.0309 | 0.0310 | 0.0311 | 0.0312 |
| 9                  | 0.0313 | 0.0314 | 0.0315 | 0.0316 | 0.0317 | 0.0318 | 0.0319 | 0.0320 | 0.0321 | 0.0322 | 0.0323 | 0.0324 | 0.0325 | 0.0326 | 0.0327 | 0.0328 | 0.0329 | 0.0330 | 0.0331 | 0.0332 | 0.0333 | 0.0334 | 0.0335 | 0.0336 | 0.0337 | 0.0338 | 0.0339 | 0.0340 | 0.0341 | 0.0342 | 0.0343 |        |        |        |        |

[illegible]

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45  
 46  
 47  
 48  
 49  
 50  
 51  
 52  
 53  
 54  
 55  
 56  
 57  
 58  
 59  
 60  
 61  
 62  
 63  
 64  
 65  
 66  
 67  
 68  
 69  
 70  
 71  
 72  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84  
 85  
 86  
 87  
 88  
 89  
 90  
 91  
 92  
 93  
 94  
 95  
 96  
 97  
 98  
 99  
 100  
 101  
 102  
 103  
 104  
 105  
 106  
 107  
 108  
 109  
 110  
 111  
 112  
 113  
 114  
 115  
 116  
 117  
 118  
 119  
 120  
 121  
 122  
 123  
 124  
 125  
 126  
 127  
 128  
 129  
 130  
 131  
 132  
 133  
 134  
 135  
 136  
 137  
 138  
 139  
 140  
 141  
 142  
 143  
 144  
 145  
 146  
 147  
 148  
 149  
 150  
 151  
 152  
 153  
 154  
 155  
 156  
 157  
 158  
 159  
 160  
 161  
 162  
 163  
 164  
 165  
 166  
 167  
 168  
 169  
 170  
 171  
 172  
 173  
 174  
 175  
 176  
 177  
 178  
 179  
 180  
 181  
 182  
 183  
 184  
 185  
 186  
 187  
 188  
 189  
 190  
 191  
 192  
 193  
 194  
 195  
 196  
 197  
 198  
 199  
 200  
 201  
 202  
 203  
 204  
 205  
 206  
 207  
 208  
 209  
 210  
 211  
 212  
 213  
 214  
 215  
 216  
 217  
 218  
 219  
 220  
 221  
 222  
 223  
 224  
 225  
 226  
 227  
 228  
 229  
 230  
 231  
 232  
 233  
 234  
 235  
 236  
 237  
 238  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247  
 248  
 249  
 250  
 251  
 252  
 253  
 254  
 255  
 256  
 257  
 258  
 259  
 260  
 261  
 262  
 263  
 264  
 265  
 266  
 267  
 268  
 269  
 270  
 271  
 272  
 273  
 274  
 275  
 276  
 277  
 278  
 279  
 280  
 281  
 282  
 283  
 284  
 285  
 286  
 287  
 288  
 289  
 290  
 291  
 292  
 293  
 294  
 295  
 296  
 297  
 298  
 299  
 300  
 301  
 302  
 303  
 304  
 305  
 306  
 307  
 308  
 309  
 310  
 311  
 312  
 313  
 314  
 315  
 316  
 317  
 318  
 319  
 320  
 321  
 322  
 323  
 324  
 325  
 326  
 327  
 328  
 329  
 330  
 331  
 332  
 333  
 334  
 335  
 336  
 337  
 338  
 339  
 340  
 341  
 342  
 343  
 344  
 345  
 346  
 347  
 348  
 349  
 350  
 351  
 352  
 353  
 354  
 355  
 356  
 357  
 358  
 359  
 360  
 361  
 362  
 363  
 364  
 365  
 366  
 367  
 368  
 369  
 370  
 371  
 372  
 373  
 374  
 375  
 376  
 377  
 378  
 379  
 380  
 381  
 382  
 383  
 384  
 385  
 386  
 387  
 388  
 389  
 390  
 391  
 392  
 393  
 394  
 395  
 396  
 397  
 398  
 399  
 400  
 401  
 402  
 403  
 404  
 405  
 406  
 407  
 408  
 409  
 410  
 411  
 412  
 413  
 414  
 415  
 416  
 417  
 418  
 419  
 420  
 421  
 422  
 423  
 424  
 425  
 426  
 427  
 428  
 429  
 430  
 431  
 432  
 433  
 434  
 435  
 436  
 437  
 438  
 439  
 440  
 441  
 442  
 443  
 444  
 445  
 446  
 447  
 448  
 449  
 450  
 451  
 452  
 453  
 454  
 455  
 456  
 457  
 458  
 459  
 460  
 461  
 462  
 463  
 464  
 465  
 466  
 467  
 468  
 469  
 470  
 471  
 472  
 473  
 474  
 475  
 476  
 477  
 478  
 479  
 480  
 481  
 482  
 483  
 484  
 485  
 486  
 487  
 488  
 489  
 490  
 491  
 492  
 493  
 494  
 495  
 496  
 497  
 498  
 499  
 500  
 501  
 502  
 503  
 504  
 505  
 506  
 507  
 508  
 509  
 510  
 511  
 512  
 513  
 514  
 515  
 516  
 517  
 518  
 519  
 520  
 521  
 522  
 523  
 524  
 525  
 526  
 527  
 528  
 529  
 530  
 531  
 532  
 533  
 534  
 535  
 536  
 537  
 538  
 539  
 540  
 541

100  
 90  
 80  
 70  
 60  
 50  
 40  
 30  
 20  
 10  
 0

| PERCENT | 64 WPH | 11.3 | 2.8 | 1.4 | 3.2 | 3.1 | 0.2 |
|---------|--------|------|-----|-----|-----|-----|-----|
|         |        |      |     |     |     |     |     |

| CD | HEW 67 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  |
|----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1  | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2  | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3  | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4  | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5  | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6  | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7  | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8  | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9  | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 1.8    | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20 | 1.8    | 1.1 | 0.9 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

[illegible]

| TRAVELING | 55 MPH | 60 MPH | 65 MPH | 70 MPH | 75 MPH | 80 MPH | 85 MPH | 90 MPH |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1         | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |
| 2         | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |
| 3         | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |
| 4         | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |
| 5         | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |
| 6         | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |
| 7         | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |
| 8         | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |
| 9         | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |
| 10        | 54.62  | 58.82  | 63.04  | 67.27  | 71.51  | 75.74  | 80.00  | 84.28  |

| AT | R | 64 MPH | 95.5 | 96.4 | 95.0 | 96.4 | 96.2 | 93.5 | 97.3 | 93.8 | 97.6 |
|----|---|--------|------|------|------|------|------|------|------|------|------|
| AT | R | 64 MPH | 95.5 | 96.4 | 95.0 | 96.4 | 96.2 | 93.5 | 97.3 | 93.8 | 97.6 |

|           | 99.7 | 98.8 | 99.3 | 98.9 | 99.4 | 99.7 | 98.5 | 100. |
|-----------|------|------|------|------|------|------|------|------|
| LESS THAN |      |      |      |      |      |      |      |      |
| 69 MPH    |      |      |      |      |      |      |      |      |

| 74 MPH | 99.4 | 99.6 | 99.7 | 100.0 | 100.3 | 100.6 | 100.9 | 101.2 | 101.5 | 101.8 | 102.1 | 102.4 | 102.7 | 103.0 | 103.3 | 103.6 | 103.9 | 104.2 | 104.5 | 104.8 | 105.1 | 105.4 | 105.7 | 106.0 | 106.3 | 106.6 | 106.9 | 107.2 | 107.5 | 107.8 | 108.1 | 108.4 | 108.7 | 109.0 | 109.3 | 109.6 | 109.9 | 110.2 | 110.5 | 110.8 | 111.1 | 111.4 | 111.7 | 112.0 | 112.3 | 112.6 | 112.9 | 113.2 | 113.5 | 113.8 | 114.1 | 114.4 | 114.7 | 115.0 | 115.3 | 115.6 | 115.9 | 116.2 | 116.5 | 116.8 | 117.1 | 117.4 | 117.7 | 118.0 | 118.3 | 118.6 | 118.9 | 119.2 | 119.5 | 119.8 | 120.1 | 120.4 | 120.7 | 121.0 | 121.3 | 121.6 | 121.9 | 122.2 | 122.5 | 122.8 | 123.1 | 123.4 | 123.7 | 124.0 | 124.3 | 124.6 | 124.9 | 125.2 | 125.5 | 125.8 | 126.1 | 126.4 | 126.7 | 127.0 | 127.3 | 127.6 | 127.9 | 128.2 | 128.5 | 128.8 | 129.1 | 129.4 | 129.7 | 130.0 | 130.3 | 130.6 | 130.9 | 131.2 | 131.5 | 131.8 | 132.1 | 132.4 | 132.7 | 133.0 | 133.3 | 133.6 | 133.9 | 134.2 | 134.5 | 134.8 | 135.1 | 135.4 | 135.7 | 136.0 | 136.3 | 136.6 | 136.9 | 137.2 | 137.5 | 137.8 | 138.1 | 138.4 | 138.7 | 139.0 | 139.3 | 139.6 | 139.9 | 140.2 | 140.5 | 140.8 | 141.1 | 141.4 | 141.7 | 142.0 | 142.3 | 142.6 | 142.9 | 143.2 | 143.5 | 143.8 | 144.1 | 144.4 | 144.7 | 145.0 | 145.3 | 145.6 | 145.9 | 146.2 | 146.5 | 146.8 | 147.1 | 147.4 | 147.7 | 148.0 | 148.3 | 148.6 | 148.9 | 149.2 | 149.5 | 149.8 | 150.1 | 150.4 | 150.7 | 151.0 | 151.3 | 151.6 | 151.9 | 152.2 | 152.5 | 152.8 | 153.1 | 153.4 | 153.7 | 154.0 | 154.3 | 154.6 | 154.9 | 155.2 | 155.5 | 155.8 | 156.1 | 156.4 | 156.7 | 157.0 | 157.3 | 157.6 | 157.9 | 158.2 | 158.5 | 158.8 | 159.1 | 159.4 | 159.7 | 160.0 | 160.3 | 160.6 | 160.9 | 161.2 | 161.5 | 161.8 | 162.1 | 162.4 | 162.7 | 163.0 | 163.3 | 163.6 | 163.9 | 164.2 | 164.5 | 164.8 | 165.1 | 165.4 | 165.7 | 166.0 | 166.3 | 166.6 | 166.9 | 167.2 | 167.5 | 167.8 | 168.1 | 168.4 | 168.7 | 169.0 | 169.3 | 169.6 | 169.9 | 170.2 | 170.5 | 170.8 | 171.1 | 171.4 | 171.7 | 172.0 | 172.3 | 172.6 | 172.9 | 173.2 | 173.5 | 173.8 | 174.1 | 174.4 | 174.7 | 175.0 | 175.3 | 175.6 | 175.9 | 176.2 | 176.5 | 176.8 | 177.1 | 177.4 | 177.7 | 178.0 | 178.3 | 178.6 | 178.9 | 179.2 | 179.5 | 179.8 | 180.1 | 180.4 | 180.7 | 181.0 | 181.3 | 181.6 | 181.9 | 182.2 | 182.5 | 182.8 | 183.1 | 183.4 | 183.7 | 184.0 | 184.3 | 184.6 | 184.9 | 185.2 | 185.5 | 185.8 | 186.1 | 186.4 | 186.7 | 187.0 | 187.3 | 187.6 | 187.9 | 188.2 | 188.5 | 188.8 | 189.1 | 189.4 | 189.7 | 190.0 | 190.3 | 190.6 | 190.9 | 191.2 | 191.5 | 191.8 | 192.1 | 192.4 | 192.7 | 193.0 | 193.3 | 193.6 | 193.9 | 194.2 | 194.5 | 194.8 | 195.1 | 195.4 | 195.7 | 196.0 | 196.3 | 196.6 | 196.9 | 197.2 | 197.5 | 197.8 | 198.1 | 198.4 | 198.7 | 199.0 | 199.3 | 199.6 | 199.9 | 200.2 | 200.5 | 200.8 | 201.1 | 201.4 | 201.7 | 202.0 | 202.3 | 202.6 | 202.9 | 203.2 | 203.5 | 203.8 | 204.1 | 204.4 | 204.7 | 205.0 | 205.3 | 205.6 | 205.9 | 206.2 | 206.5 | 206.8 | 207.1 | 207.4 | 207.7 | 208.0 | 208.3 | 208.6 | 208.9 | 209.2 | 209.5 | 209.8 | 210.1</ |
|--------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
|--------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|

|  | 70 MPH | 80 MPH | 90 MPH | 100 MPH | 110 MPH | 120 MPH | 130 MPH | 140 MPH | 150 MPH | 160 MPH | 170 MPH | 180 MPH | 190 MPH | 200 MPH | 210 MPH | 220 MPH | 230 MPH | 240 MPH | 250 MPH | 260 MPH | 270 MPH | 280 MPH | 290 MPH | 300 MPH | 310 MPH | 320 MPH | 330 MPH | 340 MPH | 350 MPH | 360 MPH | 370 MPH | 380 MPH | 390 MPH | 400 MPH | 410 MPH | 420 MPH | 430 MPH | 440 MPH | 450 MPH | 460 MPH | 470 MPH | 480 MPH | 490 MPH | 500 MPH | 510 MPH | 520 MPH | 530 MPH | 540 MPH | 550 MPH | 560 MPH | 570 MPH | 580 MPH | 590 MPH | 600 MPH | 610 MPH | 620 MPH | 630 MPH | 640 MPH | 650 MPH | 660 MPH | 670 MPH | 680 MPH | 690 MPH | 700 MPH | 710 MPH | 720 MPH | 730 MPH | 740 MPH | 750 MPH | 760 MPH | 770 MPH | 780 MPH | 790 MPH | 800 MPH | 810 MPH | 820 MPH | 830 MPH | 840 MPH | 850 MPH | 860 MPH | 870 MPH | 880 MPH | 890 MPH | 900 MPH | 910 MPH | 920 MPH | 930 MPH | 940 MPH | 950 MPH | 960 MPH | 970 MPH | 980 MPH | 990 MPH | 1000 MPH | 1010 MPH | 1020 MPH | 1030 MPH | 1040 MPH | 1050 MPH | 1060 MPH | 1070 MPH | 1080 MPH | 1090 MPH | 1100 MPH | 1110 MPH | 1120 MPH | 1130 MPH | 1140 MPH | 1150 MPH | 1160 MPH | 1170 MPH | 1180 MPH | 1190 MPH | 1200 MPH | 1210 MPH | 1220 MPH | 1230 MPH | 1240 MPH | 1250 MPH | 1260 MPH | 1270 MPH | 1280 MPH | 1290 MPH | 1300 MPH | 1310 MPH | 1320 MPH | 1330 MPH | 1340 MPH | 1350 MPH | 1360 MPH | 1370 MPH | 1380 MPH | 1390 MPH | 1400 MPH | 1410 MPH | 1420 MPH | 1430 MPH | 1440 MPH | 1450 MPH | 1460 MPH | 1470 MPH | 1480 MPH | 1490 MPH | 1500 MPH | 1510 MPH | 1520 MPH | 1530 MPH | 1540 MPH | 1550 MPH | 1560 MPH | 1570 MPH | 1580 MPH | 1590 MPH | 1600 MPH | 1610 MPH | 1620 MPH | 1630 MPH | 1640 MPH | 1650 MPH | 1660 MPH | 1670 MPH | 1680 MPH | 1690 MPH | 1700 MPH | 1710 MPH | 1720 MPH | 1730 MPH | 1740 MPH | 1750 MPH | 1760 MPH | 1770 MPH | 1780 MPH | 1790 MPH | 1800 MPH | 1810 MPH | 1820 MPH | 1830 MPH | 1840 MPH | 1850 MPH | 1860 MPH | 1870 MPH | 1880 MPH | 1890 MPH | 1900 MPH | 1910 MPH | 1920 MPH | 1930 MPH | 1940 MPH | 1950 MPH | 1960 MPH | 1970 MPH | 1980 MPH | 1990 MPH | 2000 MPH | 2010 MPH | 2020 MPH | 2030 MPH | 2040 MPH | 2050 MPH | 2060 MPH | 2070 MPH | 2080 MPH | 2090 MPH | 2100 MPH | 2110 MPH | 2120 MPH | 2130 MPH | 2140 MPH | 2150 MPH | 2160 MPH | 2170 MPH | 2180 MPH | 2190 MPH | 2200 MPH | 2210 MPH | 2220 MPH | 2230 MPH | 2240 MPH | 2250 MPH | 2260 MPH | 2270 MPH | 2280 MPH | 2290 MPH | 2300 MPH | 2310 MPH | 2320 MPH | 2330 MPH | 2340 MPH | 2350 MPH | 2360 MPH | 2370 MPH | 2380 MPH | 2390 MPH | 2400 MPH | 2410 MPH | 2420 MPH | 2430 MPH | 2440 MPH | 2450 MPH | 2460 MPH | 2470 MPH | 2480 MPH | 2490 MPH | 2500 MPH | 2510 MPH | 2520 MPH | 2530 MPH | 2540 MPH | 2550 MPH | 2560 MPH | 2570 MPH | 2580 MPH | 2590 MPH | 2600 MPH | 2610 MPH | 2620 MPH | 2630 MPH | 2640 MPH | 2650 MPH | 2660 MPH | 2670 MPH | 2680 MPH | 2690 MPH | 2700 MPH | 2710 MPH | 2720 MPH | 2730 MPH | 2740 MPH | 2750 MPH | 2760 MPH | 2770 MPH | 2780 MPH | 2790 MPH | 2800 MPH | 2810 MPH | 2820 MPH | 2830 MPH | 2840 MPH | 2850 MPH | 2860 MPH | 2870 MPH | 2880 MPH | 2890 MPH | 2900 MPH | 2910 MPH | 2920 MPH | 2930 MPH | 2940 MPH | 2950 MPH | 2960 MPH | 2970 MPH | 2980 MPH | 2990 MPH | 3000 MPH | 3010 MPH | 3020 MPH | 3030 MPH | 3040 MPH | 3050 MPH | 3060 MPH | 3070 MPH | 3080 MPH | 3090 MPH | 3100 MPH | 3110 MPH | 3120 MPH | 3130 MPH | 3140 MPH | 3150 MPH | 3160 MPH | 3170 MPH | 3180 MPH | 3190 MPH | 3200 MPH | 3210 MPH | 3220 MPH | 3230 MPH | 3240 MPH | 3250 MPH | 3260 MPH | 3270 MPH | 3280 MPH | 3290 MPH | 3300 MPH | 3310 MPH | 3320 MPH | 3330 MPH | 3340 MPH | 3350 MPH | 3360 MPH | 3370 MPH | 3380 MPH | 3390 MPH | 3400 MPH | 3410 MPH | 3420 MPH | 3430 MPH | 3440 MPH | 3450 MPH | 3460 MPH | 3470 MPH | 3480 MPH | 3490 MPH | 3500 MPH | 3510 MPH | 3520 MPH | 3530 MPH | 3540 MPH | 3550 MPH | 3560 MPH | 3570 MPH | 3580 MPH | 3590 MPH | 3600 MPH | 3610 MPH | 3620 MPH | 3630 MPH | 3640 MPH | 3650 MPH | 3660 MPH | 3670 MPH | 3680 MPH | 3690 MPH | 3700 MPH | 3710 MPH | 3720 MPH | 3730 MPH | 3740 MPH | 3750 MPH | 3760 MPH | 3770 MPH | 3780 MPH | 3790 MPH | 3800 MPH | 3810 MPH | 3820 MPH | 3830 MPH | 3840 MPH | 3850 MPH | 3860 MPH | 3870 MPH | 3880 MPH | 3890 MPH | 3900 MPH | 3910 MPH | 3920 MPH | 3930 MPH | 3940 MPH | 3950 MPH | 3960 MPH | 3970 MPH | 3980 MPH | 3990 MPH | 4000 MPH | 4010 MPH | 4020 MPH | 4030 MPH | 4040 MPH | 4050 MPH | 4060 MPH | 4070 MPH | 4080 MPH | 4090 MPH | 4100 MPH | 4110 MPH | 4120 MPH | 4130 MPH | 4140 MPH | 4150 MPH | 4160 MPH | 4170 MPH | 4180 MPH | 4190 MPH | 4200 MPH | 4210 MPH | 4220 MPH | 4230 MPH | 4240 |
|--|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|--|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

[illegible][illegible]

— 10 —

STREET

AVRAGE

|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

| NUMBER OF VEHICLES | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|
| 1                  | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 2                  | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 3                  | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 4                  | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 5                  | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 6                  | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 7                  | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 8                  | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 9                  | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 10                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 11                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 12                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 13                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 14                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 15                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 16                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 17                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 18                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 19                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 20                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 21                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 22                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 23                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 24                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 25                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 26                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 27                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 28                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 29                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 30                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 31                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 32                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 33                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 34                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  |
| 35                 | 128  | 135  | 140  | 145  | 150  | 155  | 160  | 165  |      |      |      |

[illegible]



# TABLE A-6 SPEED DATA FREE FLOW

STATION 44-32 HIGHWAY US 30 LOCATION 2.9 miles west of Manatah City Limit Sign

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Cloudy - Windy

THIS OBSERVATION DATE 6/5/80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 112)

TIME 11:50 AM - 1:15 PM TIME 11:10 AM - 12:20 PM TIME 10:00 - 11:00 AM

|                                    | OBSERVATION | PASSENGER CARS |       |       | NON-INDIANA |       |       | ALL   |       |       | TRUCKS |       |       |
|------------------------------------|-------------|----------------|-------|-------|-------------|-------|-------|-------|-------|-------|--------|-------|-------|
|                                    |             | LAST           | ENT   | PRES  | LAST        | ENT   | PRES  | LAST  | ENT   | PRES  | LAST   | ENT   | PRES  |
| NUMBER OF VEHICLES                 | 248         | 183            | 187   | 187   | 65          | 51    | 51    | 179   | 185   | 185   | 52     | 47    | 47    |
| AVERAGE SPEED (MPH)                | 56.37       | 56.20          | 56.47 | 56.47 | 56.47       | 56.18 | 56.18 | 56.40 | 56.42 | 56.42 | 55.35  | 54.81 | 56.83 |
| STANDARD DEVIATION                 | 4.665       | 4.665          | 4.624 | 4.624 | 3.548       | 4.016 | 4.016 | 4.214 | 4.876 | 4.876 | 4.984  | 5.174 | 3.790 |
| PERCENT                            |             |                |       |       |             |       |       |       |       |       |        |       |       |
| CF                                 |             |                |       |       |             |       |       |       |       |       |        |       |       |
| VEHICLES TRAVELING AT OR LESS THAN |             |                |       |       |             |       |       |       |       |       |        |       |       |
| 44 MPH                             | 14          | 5              | 5     | 5     | 1           | 0     | 0     | 6     | 1     | 1     | 0      | 0     | 0     |
| 45 MPH                             | 4           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 46 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 47 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 48 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 49 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 50 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 51 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 52 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 53 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 54 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 55 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 56 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 57 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 58 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 59 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 60 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 61 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 62 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 63 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 64 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 65 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 66 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 67 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 68 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 69 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 70 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 71 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 72 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 73 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 74 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 75 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 76 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 77 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 78 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 79 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 80 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 81 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 82 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 83 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 84 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 85 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 86 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 87 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 88 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 89 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 90 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 91 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 92 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 93 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 94 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 95 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 96 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 97 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 98 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 99 MPH                             | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| 100 MPH                            | 3           | 5              | 5     | 5     | 1           | 0     | 0     | 3     | 1     | 1     | 0      | 0     | 0     |
| DIRECTION OF TRAVEL                | EB          |                |       |       |             |       |       |       |       |       |        |       |       |
| NUMBER OF VEHICLES                 | 122         | 88             | 83    | 83    | 44          | 28    | 28    | 122   | 121   | 121   | 25     | 25    | 76    |
| AVERAGE SPEED                      | 56.10       | 55.90          | 56.01 | 56.01 | 56.30       | 57.43 | 57.43 | 56.00 | 55.74 | 55.74 | 55.30  | 54.92 | 57.50 |
| DIRECTION OF TRAVEL                | WB          |                |       |       |             |       |       |       |       |       |        |       |       |
| NUMBER OF VEHICLES                 | 116         | 93             | 104   | 104   | 21          | 23    | 23    | 97    | 84    | 84    | 27     | 22    | 70    |
| AVERAGE SPEED                      | 56.00       | 56.40          | 56.87 | 56.87 | 56.60       | 59.00 | 59.00 | 56.00 | 57.23 | 57.23 | 55.30  | 57.00 | 56.00 |









# TABLE A-8 SPEED DATA FREE FLOW

STATION 4L-29 HIGHWAY US 30 LOCATION 5.35 miles east of SR 15

NC. OF LANES 4 TYPE ICF SURFACE Asphalt WEATHER Cloudy

## THIS OBSERVATION

DATE 5/23/80  
 TIME 10:50 AM - 11:45 AM EB  
 11:55 AM - 12:45 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

|                                    | OBSERVATION | LANE | PASSENGER CARS |       |       | TRUCKS      |       |       |
|------------------------------------|-------------|------|----------------|-------|-------|-------------|-------|-------|
|                                    |             |      | INDIANA        |       |       | NON-INDIANA |       |       |
|                                    |             |      | ENI            | LAST  | PRES- | ENI         | LAST  | PRES- |
| NUMBER OF VEHICLES                 |             |      | 276            | 212   |       | 64          | 148   |       |
| AVERAGE SPEED (MPH)                |             |      | 56.23          | 56.73 |       | 56.62       | 55.26 |       |
| STANDARD DEVIATION                 |             |      | 4.155          | 4.116 |       | 4.272       | 4.653 |       |
| PERCENT                            |             |      |                |       |       |             |       |       |
| CF                                 |             |      |                |       |       |             |       |       |
| VEHICLES TRAVELING AT OR LESS THAN |             |      |                |       |       |             |       |       |
| 10 MPH                             |             |      | 3.9            | 3.8   |       | 3.1         | 6.1   |       |
| 20 MPH                             |             |      | 35.1           | 36.8  |       | 20.7        | 30.4  |       |
| 30 MPH                             |             |      | 38.4           | 41.6  |       | 76.6        | 73.6  |       |
| 40 MPH                             |             |      | 98.6           | 98.0  |       | 98.4        | 95.3  |       |
| 50 MPH                             |             |      | 99.6           | 99.5  |       | 100.0       | 99.3  |       |
| 60 MPH                             |             |      | 100.0          | 100.0 |       | 100.0       | 100.0 |       |
| 70 MPH                             |             |      | 100.0          | 100.0 |       | 100.0       | 100.0 |       |
| 80 MPH                             |             |      | 100.0          | 100.0 |       | 100.0       | 100.0 |       |
| 90 MPH                             |             |      | 100.0          | 100.0 |       | 100.0       | 100.0 |       |
| DIRECTION OF TRAVEL                |             |      |                |       |       |             |       |       |
| VEHICLES                           |             |      | 142            | 127   |       | 35          | 71    |       |
| AVERAGE SPEED                      |             |      | 56.15          | 56.97 |       | 56.62       | 55.77 |       |
| DIRECTION OF TRAVEL                |             |      |                |       |       |             |       |       |
| VEHICLES                           |             |      | 134            | 133   |       | 39          | 78    |       |
| AVERAGE SPEED                      |             |      | 56.31          | 56.16 |       | 56.66       | 57.39 |       |



## TABLE A-9 SPEED DATA FREE FLOW

STATION 2L-18  
HIGHWAY US 35  
LOCATION 2.4 miles east of I-69 - Cleo Glass residence

| NO. | CF LANE | 2 | TYPE CF SURFACE | Asphalt | WEATHER | Partly Cloudy |
|-----|---------|---|-----------------|---------|---------|---------------|
|     |         |   |                 |         |         |               |

THIS OBSERVATION

| DATE        | TIME          | EB       | WB       |
|-------------|---------------|----------|----------|
| DATE 6/2/80 | TIME 10:55 AM | 12:05 PM | 12:05 PM |
| DATE 4/3/80 | TIME 10:20 AM | 12:59 PM | 12:59 PM |

|     | PASSENGER CARS | TRUCKS |
|-----|----------------|--------|
| 1   |                |        |
| 2   |                |        |
| 3   |                |        |
| 4   |                |        |
| 5   |                |        |
| 6   |                |        |
| 7   |                |        |
| 8   |                |        |
| 9   |                |        |
| 10  |                |        |
| 11  |                |        |
| 12  |                |        |
| 13  |                |        |
| 14  |                |        |
| 15  |                |        |
| 16  |                |        |
| 17  |                |        |
| 18  |                |        |
| 19  |                |        |
| 20  |                |        |
| 21  |                |        |
| 22  |                |        |
| 23  |                |        |
| 24  |                |        |
| 25  |                |        |
| 26  |                |        |
| 27  |                |        |
| 28  |                |        |
| 29  |                |        |
| 30  |                |        |
| 31  |                |        |
| 32  |                |        |
| 33  |                |        |
| 34  |                |        |
| 35  |                |        |
| 36  |                |        |
| 37  |                |        |
| 38  |                |        |
| 39  |                |        |
| 40  |                |        |
| 41  |                |        |
| 42  |                |        |
| 43  |                |        |
| 44  |                |        |
| 45  |                |        |
| 46  |                |        |
| 47  |                |        |
| 48  |                |        |
| 49  |                |        |
| 50  |                |        |
| 51  |                |        |
| 52  |                |        |
| 53  |                |        |
| 54  |                |        |
| 55  |                |        |
| 56  |                |        |
| 57  |                |        |
| 58  |                |        |
| 59  |                |        |
| 60  |                |        |
| 61  |                |        |
| 62  |                |        |
| 63  |                |        |
| 64  |                |        |
| 65  |                |        |
| 66  |                |        |
| 67  |                |        |
| 68  |                |        |
| 69  |                |        |
| 70  |                |        |
| 71  |                |        |
| 72  |                |        |
| 73  |                |        |
| 74  |                |        |
| 75  |                |        |
| 76  |                |        |
| 77  |                |        |
| 78  |                |        |
| 79  |                |        |
| 80  |                |        |
| 81  |                |        |
| 82  |                |        |
| 83  |                |        |
| 84  |                |        |
| 85  |                |        |
| 86  |                |        |
| 87  |                |        |
| 88  |                |        |
| 89  |                |        |
| 90  |                |        |
| 91  |                |        |
| 92  |                |        |
| 93  |                |        |
| 94  |                |        |
| 95  |                |        |
| 96  |                |        |
| 97  |                |        |
| 98  |                |        |
| 99  |                |        |
| 100 |                |        |

|      |         |             |      |
|------|---------|-------------|------|
|      | INDIANA | NON-INDIANA | ALL  |
| *ALL | INDIANA | NON-INDIANA | ALL  |
|      | <500    | <500        | <500 |

PRES- PRES- PRES- PRES-

[illegible]

| NUMBER OF VEHICLES | AVERAGE SPEED (MPH) |
|--------------------|---------------------|
| 220                | 57.8                |
| 213                | 56.2                |
| 241                | 56.6                |
| 262                | 57.1                |
| 13                 | 57.6                |
| 15                 | 58.0                |
| 176                | 57.5                |
| 134                | 57.7                |
| 16                 | 54.2                |
| 5                  | 54.2                |

| STANDARD DEVIATION | 5.437 | 5.744 | 5.436 | 5.315 | 4.672 | 4.178 | 4.859 | 6.063 | 4.993 | 5.375 |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| STANDARD DEVIATION | 5.437 | 5.744 | 5.436 | 5.315 | 4.672 | 4.178 | 4.859 | 6.063 | 4.993 | 5.375 |

24 MPH

20 MB 11

72 MPH

[illegible]

| PER (ENI | 27   | 4.2  | 2.2  | 5    | 6.7 | 11.4 | 10.5 | 13.3 |
|----------|------|------|------|------|-----|------|------|------|
| 79 MPH   | 27   | 4.2  | 2.2  | 5    | 6.7 | 11.4 | 10.5 | 13.3 |
| 79 MPH   | 14.5 | 17.8 | 14.9 | 18.5 | 6.7 | 11.4 | 10.5 | 13.3 |

[illegible]

TRAVELING

| AT CH | 54 MPH | 56.6 | 57.1 | 55.8 | 93.3 | 100.4 | 98.7 | 105.0 |
|-------|--------|------|------|------|------|-------|------|-------|
| AT CH | 56.9   | 56.6 | 57.1 | 55.8 | 93.3 | 100.4 | 98.7 | 105.0 |

| LES | TAV | MPH | 1 | 2 | 3 | 4 | 5 | 6 | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97  | 98 | 99 | 100 |
|-----|-----|-----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|-----|
| 1   | 2   | 3   | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |    |    |     |

70  
 71  
 72  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84  
 85  
 86  
 87  
 88  
 89  
 90  
 91  
 92  
 93  
 94  
 95  
 96  
 97  
 98  
 99  
 100

[illegible][illegible]

NOTICE OF  
B3  
DIRECTION

| NUMBER OF VEHICLES | 157 | 144 | 150 | 7 | 7 | 6 | 30 |
|--------------------|-----|-----|-----|---|---|---|----|
|                    |     |     |     |   |   |   |    |

| AVERAGE SPEED | 54.50 | 53.70 | 54.31 | 53.61 | 53.50 | 55.57 | 53.30 | 53.30 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 100           | 54.50 | 53.70 | 54.31 | 53.61 | 53.50 | 55.57 | 53.30 | 53.30 |

DIRECTION

[illegible][illegible]









# TABLE A-11 SPEED DATA FREE FLOW

STATION 2L-67 HIGHWAY US 231 LOCATION 1.65 miles south of US 40

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION  
DATE 6/12/80  
TIME 9:10 AM 1:00 PM NB  
9:10 AM 1:00 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.     )

|                     | ALL   |       |       | PASSENGER CARS |       |       | INDIANA |       |       | NON-INDIANA |       |       | ALL   |       |       | TRUCKS |       |       |
|---------------------|-------|-------|-------|----------------|-------|-------|---------|-------|-------|-------------|-------|-------|-------|-------|-------|--------|-------|-------|
|                     | LAST  | ENT   | PREV  | LAST           | ENT   | PREV  | LAST    | ENT   | PREV  | LAST        | ENT   | PREV  | LAST  | ENT   | PREV  | LAST   | ENT   | PREV  |
| OBSERVATION         | 34    | 34    | 34    | 34             | 34    | 34    | 34      | 34    | 34    | 34          | 34    | 34    | 34    | 34    | 34    | 34     | 34    | 34    |
| NUMBER OF VEHICLES  | 20    | 20    | 20    | 20             | 20    | 20    | 20      | 20    | 20    | 20          | 20    | 20    | 20    | 20    | 20    | 20     | 20    | 20    |
| AVERAGE SPEED (MPH) | 53.82 | 53.82 | 53.82 | 53.82          | 53.82 | 53.82 | 53.82   | 53.82 | 53.82 | 53.82       | 53.82 | 53.82 | 53.82 | 53.82 | 53.82 | 53.82  | 53.82 | 53.82 |
| STANDARD DEVIATION  | 5.116 | 5.116 | 5.116 | 5.116          | 5.116 | 5.116 | 5.116   | 5.116 | 5.116 | 5.116       | 5.116 | 5.116 | 5.116 | 5.116 | 5.116 | 5.116  | 5.116 | 5.116 |
| PERCENT             | 34    | 34    | 34    | 34             | 34    | 34    | 34      | 34    | 34    | 34          | 34    | 34    | 34    | 34    | 34    | 34     | 34    | 34    |
| OF                  | 34    | 34    | 34    | 34             | 34    | 34    | 34      | 34    | 34    | 34          | 34    | 34    | 34    | 34    | 34    | 34     | 34    | 34    |
| VEHICLES            | 34    | 34    | 34    | 34             | 34    | 34    | 34      | 34    | 34    | 34          | 34    | 34    | 34    | 34    | 34    | 34     | 34    | 34    |
| TRAVELING           | 34    | 34    | 34    | 34             | 34    | 34    | 34      | 34    | 34    | 34          | 34    | 34    | 34    | 34    | 34    | 34     | 34    | 34    |
| AT OR               | 34    | 34    | 34    | 34             | 34    | 34    | 34      | 34    | 34    | 34          | 34    | 34    | 34    | 34    | 34    | 34     | 34    | 34    |
| LESS THAN           | 34    | 34    | 34    | 34             | 34    | 34    | 34      | 34    | 34    | 34          | 34    | 34    | 34    | 34    | 34    | 34     | 34    | 34    |
| DIRECTION           | NB    | NB    | NB    | NB             | NB    | NB    | NB      | NB    | NB    | NB          | NB    | NB    | NB    | NB    | NB    | NB     | NB    | NB    |
| NUMBER OF VEHICLES  | 143   | 143   | 143   | 143            | 143   | 143   | 143     | 143   | 143   | 143         | 143   | 143   | 143   | 143   | 143   | 143    | 143   | 143   |
| AVERAGE SPEED       | 56.15 | 56.15 | 56.15 | 56.15          | 56.15 | 56.15 | 56.15   | 56.15 | 56.15 | 56.15       | 56.15 | 56.15 | 56.15 | 56.15 | 56.15 | 56.15  | 56.15 | 56.15 |
| DIRECTION           | SB    | SB    | SB    | SB             | SB    | SB    | SB      | SB    | SB    | SB          | SB    | SB    | SB    | SB    | SB    | SB     | SB    | SB    |
| NUMBER OF VEHICLES  | 134   | 134   | 134   | 134            | 134   | 134   | 134     | 134   | 134   | 134         | 134   | 134   | 134   | 134   | 134   | 134    | 134   | 134   |
| AVERAGE SPEED       | 55.44 | 55.44 | 55.44 | 55.44          | 55.44 | 55.44 | 55.44   | 55.44 | 55.44 | 55.44       | 55.44 | 55.44 | 55.44 | 55.44 | 55.44 | 55.44  | 55.44 | 55.44 |



STATION 2L-74 HIGHWAY US 231 LOCATION 2 miles south of SR 70 at Rd. 600 N

NO. OF LANES 2 TYPE OF SURFACE Asphalt WE / TYPE Sunny

THIS OBSERVATION

DATE 6/10/80.

TIME 8:35 -- 11:15 AM -- NB

8:35 - 11:15 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

—

THE

[illegible]





# TABLE A-13 SPEED DATA

## FREE FLOW

STATION UI-6 HIGHWAY I-65 LOCATION Just east of White River

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Sunny-Hot

THIS OBSERVATION

DATE 5/28/80  
TIME 10:30 - 11:00 AM  
12:10 - 12:35 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 112)

DATE 4/10/80  
TIME 11:35 - 11:55 AM  
10:00 - 10:26 AM

|                     | OBSERVATION | LAST | EMI  | ALL PRES- |      | PASSENGER CARS | INDIVIDUAL PRES- |      | CON- | INDIVIDUAL | ALL PRES- |      | TRUCKS | LES  | PRES- |
|---------------------|-------------|------|------|-----------|------|----------------|------------------|------|------|------------|-----------|------|--------|------|-------|
|                     |             |      |      | LAST      | EMI  | LAST           | EMI              | LAST | LAST | EMI        | LAST      | EMI  | LAST   | LES  | PRES- |
| NUMBER OF VEHICLES  | 251         | 297  | 297  | 235       | 235  | 235            | 235              | 235  | 235  | 235        | 235       | 235  | 235    | 235  | 235   |
| AVERAGE SPEED (MPH) | 58.6        | 57.3 | 57.3 | 58.6      | 58.6 | 58.6           | 58.6             | 58.6 | 58.6 | 58.6       | 58.6      | 58.6 | 58.6   | 58.6 | 58.6  |
| STANDARD DEVIATION  | 4.2         | 4.8  | 4.8  | 4.2       | 4.2  | 4.2            | 4.2              | 4.2  | 4.2  | 4.2        | 4.2       | 4.2  | 4.2    | 4.2  | 4.2   |
| PERCENT             |             |      |      |           |      |                |                  |      |      |            |           |      |        |      |       |
| OF VEHICLES         |             |      |      |           |      |                |                  |      |      |            |           |      |        |      |       |
| TRAVELING           |             |      |      |           |      |                |                  |      |      |            |           |      |        |      |       |
| AT OR               |             |      |      |           |      |                |                  |      |      |            |           |      |        |      |       |
| LESS THAN           |             |      |      |           |      |                |                  |      |      |            |           |      |        |      |       |
| DIRECTION OF TRAVEL | EB          | EB   | EB   | EB        | EB   | EB             | EB               | EB   | EB   | EB         | EB        | EB   | EB     | EB   | EB    |
| NUMBER OF VEHICLES  | 187         | 148  | 148  | 187       | 187  | 187            | 187              | 187  | 187  | 187        | 187       | 187  | 187    | 187  | 187   |
| AVERAGE SPEED (MPH) | 58.6        | 57.3 | 57.3 | 58.6      | 58.6 | 58.6           | 58.6             | 58.6 | 58.6 | 58.6       | 58.6      | 58.6 | 58.6   | 58.6 | 58.6  |
| DIRECTION OF TRAVEL | WB          | WB   | WB   | WB        | WB   | WB             | WB               | WB   | WB   | WB         | WB        | WB   | WB     | WB   | WB    |
| NUMBER OF VEHICLES  | 134         | 149  | 149  | 134       | 134  | 134            | 134              | 134  | 134  | 134        | 134       | 134  | 134    | 134  | 134   |
| AVERAGE SPEED (MPH) | 58.6        | 57.3 | 57.3 | 58.6      | 58.6 | 58.6           | 58.6             | 58.6 | 58.6 | 58.6       | 58.6      | 58.6 | 58.6   | 58.6 | 58.6  |



# TABLE A-14 SPEED DATA FREE FLOW

STATION UI-2 HIGHWAY I-65 LOCATION 1.6 miles south of EB US 30

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Sunny

## THIS OBSERVATION

DATE 6/20/80  
TIME 9:55 - 11:10 AM NB 10:45 - 11:50 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.     )

DATE  
TIME

|                     | OBSERVATION |      |      | PASSENGER CARS |      |      | NON-INDIANA |      |      | ALL  |      |      | TRUCKS |      |      |
|---------------------|-------------|------|------|----------------|------|------|-------------|------|------|------|------|------|--------|------|------|
|                     | LAST        | ENT  | LAST | LAST           | ENT  | LAST | LAST        | ENT  | LAST | LAST | ENT  | LAST | LAST   | ENT  | LAST |
| NUMBER OF VEHICLES  | 272         | 172  | 172  | 172            | 172  | 172  | 172         | 172  | 172  | 172  | 172  | 172  | 172    | 172  | 172  |
| AVERAGE SPEED (MPH) | 58.4        | 58.4 | 58.4 | 58.4           | 58.4 | 58.4 | 58.4        | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4   | 58.4 | 58.4 |
| STANDARD DEVIATION  | 3.7         | 3.7  | 3.7  | 3.7            | 3.7  | 3.7  | 3.7         | 3.7  | 3.7  | 3.7  | 3.7  | 3.7  | 3.7    | 3.7  | 3.7  |
| PERCENT             |             |      |      |                |      |      |             |      |      |      |      |      |        |      |      |
| OF VEHICLES         |             |      |      |                |      |      |             |      |      |      |      |      |        |      |      |
| TRAVELING           |             |      |      |                |      |      |             |      |      |      |      |      |        |      |      |
| AT OR               |             |      |      |                |      |      |             |      |      |      |      |      |        |      |      |
| LESS THAN           |             |      |      |                |      |      |             |      |      |      |      |      |        |      |      |
| DIRECTION           | NB          |      |      |                |      |      |             |      |      |      |      |      |        |      |      |
| NUMBER OF VEHICLES  | 172         | 172  | 172  | 172            | 172  | 172  | 172         | 172  | 172  | 172  | 172  | 172  | 172    | 172  | 172  |
| AVERAGE SPEED       | 58.4        | 58.4 | 58.4 | 58.4           | 58.4 | 58.4 | 58.4        | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4   | 58.4 | 58.4 |
| DIRECTION           | SB          |      |      |                |      |      |             |      |      |      |      |      |        |      |      |
| NUMBER OF VEHICLES  | 125         | 125  | 125  | 125            | 125  | 125  | 125         | 125  | 125  | 125  | 125  | 125  | 125    | 125  | 125  |
| AVERAGE SPEED       | 58.4        | 58.4 | 58.4 | 58.4           | 58.4 | 58.4 | 58.4        | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4   | 58.4 | 58.4 |



# TABLE A-15 SPEED DATA FREE FLOW

STATION RIALL HIGHWAY Rural Interstate LOCATION See Individual Stations

NO. OF LANES        TYPE OF SURFACE        WEATHER       

THIS OBSERVATION  
DATE April June 1980  
TIME       

LAST PERMITS OBSERVATION (SPRINT LOG #)       

|                     | PASSENGER CARS |       | NON-INDIANA |       | ALL   |       | TRUCKS |       | SEMI TRAILERS |       | OVERALL |       |
|---------------------|----------------|-------|-------------|-------|-------|-------|--------|-------|---------------|-------|---------|-------|
|                     | PRES-          | ENI   | PRES-       | ENI   | PRES- | ENI   | PRES-  | ENI   | PRES-         | ENI   | PRES-   | ENI   |
| NUMBER OF VEHICLES  | 1              | 1     | 1           | 1     | 1     | 1     | 1      | 1     | 1             | 1     | 1       | 1     |
| AVERAGE SPEED (MPH) | 55.62          | 55.62 | 55.62       | 55.62 | 55.62 | 55.62 | 55.62  | 55.62 | 55.62         | 55.62 | 55.62   | 55.62 |
| STANDARD DEVIATION  | 4.52           | 4.52  | 4.52        | 4.52  | 4.52  | 4.52  | 4.52   | 4.52  | 4.52          | 4.52  | 4.52    | 4.52  |
| PERCENT             |                |       |             |       |       |       |        |       |               |       |         |       |
| OF VEHICLES         |                |       |             |       |       |       |        |       |               |       |         |       |
| TRAVELING           |                |       |             |       |       |       |        |       |               |       |         |       |
| AT OR               |                |       |             |       |       |       |        |       |               |       |         |       |
| LESS THAN           |                |       |             |       |       |       |        |       |               |       |         |       |









STATION 24ALL HIGHWAY 2-lane LOCATION See Individual Stations

NO. OF LANES TYPE OF SURFACE

WEATHER

THIS OBSERVATION

DATE April June 1980

LAST PREVIOUS OBSERVATION (SEE PREVIOUS)

DATE  
TIME

| OBSERVATION        | LAST  | PASSENGER CARS |       | NON-INDIANA |       | ALL   |       | TRUCKS |       | LOC |
|--------------------|-------|----------------|-------|-------------|-------|-------|-------|--------|-------|-----|
|                    |       | LAST           | ENT   | LAST        | ENT   | LAST  | ENT   | LAST   | ENT   |     |
| NUMBER OF VEHICLES | 959   | 822            | 86    | 86          | 755   | 755   | 755   | 755    | 755   | 1   |
| AVE. SPEED (MPH)   | 55.0  | 54.1           | 55.4  | 55.4        | 55.4  | 55.4  | 55.4  | 55.4   | 55.4  | 1   |
| STANDARD DEVIATION | 5.3   | 5.3            | 5.3   | 5.3         | 5.3   | 5.3   | 5.3   | 5.3    | 5.3   | 1   |
| 24 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 29 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 34 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 39 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 44 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 49 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 54 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 59 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 64 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 69 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 74 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 79 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 84 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |
| 89 MPH             | 100.0 | 100.0          | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 1   |

PERCENT

CF

VEHICLES

TRAVELING

AT OR

LESS THAN









FREE FLOW

## 1 Stations

WEATHER:

OBSERVATION (SPE

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

TRUCK

ALL 25

PRES-

SI-ENT-LAST-

372

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
84

...

100

—

4

100

9.2

20

$$\begin{array}{r} 7 \\ \times 20 \\ \hline 140 \end{array}$$

...

— 10 —

170.

1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
 13  
 14  
 15  
 16  
 17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45  
 46  
 47  
 48  
 49  
 50  
 51  
 52  
 53  
 54  
 55  
 56  
 57  
 58  
 59  
 60  
 61  
 62  
 63  
 64  
 65  
 66  
 67  
 68  
 69  
 70  
 71  
 72  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84  
 85  
 86  
 87  
 88  
 89  
 90  
 91  
 92  
 93  
 94  
 95  
 96  
 97  
 98  
 99  
 100  
 101  
 102  
 103  
 104  
 105  
 106  
 107  
 108  
 109  
 110  
 111  
 112  
 113  
 114  
 115  
 116  
 117  
 118  
 119  
 120  
 121  
 122  
 123  
 124  
 125  
 126  
 127  
 128  
 129  
 130  
 131  
 132  
 133  
 134  
 135  
 136  
 137  
 138  
 139  
 140  
 141  
 142  
 143  
 144  
 145  
 146  
 147  
 148  
 149  
 150  
 151  
 152  
 153  
 154  
 155  
 156  
 157  
 158  
 159  
 160  
 161  
 162  
 163  
 164  
 165  
 166  
 167  
 168  
 169  
 170  
 171  
 172  
 173  
 174  
 175  
 176  
 177  
 178  
 179  
 180  
 181  
 182  
 183  
 184  
 185  
 186  
 187  
 188  
 189  
 190  
 191  
 192  
 193  
 194  
 195  
 196  
 197  
 198  
 199  
 200  
 201  
 202  
 203  
 204  
 205  
 206  
 207  
 208  
 209  
 210  
 211  
 212  
 213  
 214  
 215  
 216  
 217  
 218  
 219  
 220  
 221  
 222  
 223  
 224  
 225  
 226  
 227  
 228  
 229  
 230  
 231  
 232  
 233  
 234  
 235  
 236  
 237  
 238  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247  
 248  
 249  
 250  
 251  
 252  
 253  
 254  
 255  
 256  
 257  
 258  
 259  
 260  
 261  
 262  
 263  
 264  
 265  
 266  
 267  
 268  
 269  
 270  
 271  
 272  
 273  
 274  
 275  
 276  
 277  
 278  
 279  
 280  
 281  
 282  
 283  
 284  
 285  
 286  
 287  
 288  
 289  
 290  
 291  
 292  
 293  
 294  
 295  
 296  
 297  
 298  
 299  
 300  
 301  
 302  
 303  
 304  
 305  
 306  
 307  
 308  
 309  
 310  
 311  
 312  
 313  
 314  
 315  
 316  
 317  
 318  
 319  
 320  
 321  
 322  
 323  
 324  
 325  
 326  
 327  
 328  
 329  
 330  
 331  
 332  
 333  
 334  
 335  
 336  
 337  
 338  
 339  
 340  
 341  
 342  
 343  
 344  
 345  
 346  
 347  
 348  
 349  
 350  
 351  
 352  
 353  
 354  
 355  
 356  
 357  
 358  
 359  
 360  
 361  
 362  
 363  
 364  
 365  
 366  
 367  
 368  
 369  
 370  
 371  
 372  
 373  
 374  
 375  
 376  
 377  
 378  
 379  
 380  
 381  
 382  
 383  
 384  
 385  
 386  
 387  
 388  
 389  
 390  
 391  
 392  
 393  
 394  
 395  
 396  
 397  
 398  
 399  
 400  
 401  
 402  
 403  
 404  
 405  
 406  
 407  
 408  
 409  
 410  
 411  
 412  
 413  
 414  
 415  
 416  
 417  
 418  
 419  
 420  
 421  
 422  
 423  
 424  
 425  
 426  
 427  
 428  
 429  
 430  
 431  
 432  
 433  
 434  
 435  
 436  
 437  
 438  
 439  
 440  
 441  
 442  
 443  
 444  
 445  
 446  
 447  
 448  
 449  
 450  
 451  
 452  
 453  
 454  
 455  
 456  
 457  
 458  
 459  
 460  
 461  
 462  
 463  
 464  
 465  
 466  
 467  
 468  
 469  
 470  
 471  
 472  
 473  
 474  
 475  
 476  
 477  
 478  
 479  
 480  
 481  
 482  
 483  
 484  
 485  
 486  
 487  
 488  
 489  
 490  
 491  
 492  
 493  
 494  
 495  
 496  
 497  
 498  
 499  
 500  
 501  
 502  
 503  
 504  
 505  
 506  
 507  
 508  
 509  
 510  
 511  
 512  
 513  
 514  
 515  
 516  
 517  
 518  
 519  
 520  
 521  
 522  
 523  
 524  
 525

1000



TABLE A-2Q. SPEED DATA ALL VEHICLE TECHNIQUE

| STATION                            | RI-6     | HIGHWAY         | I-65    | LOCATION                                     | 7.5 miles north of SR 160 | WEATHER | Sunny |
|------------------------------------|----------|-----------------|---------|--|---------------------------|---------|-------|
| NO. OF LANES                       | 4        | TYPE OF SURFACE | Asphalt | LAST PREVIOUS OBSERVATION (SPEED REPORT NO.) |                           |         |       |
| THIS OBSERVATION                   |          |                 |         |  |                           |         |       |
| DATE                               | 6/11/80  |                 |         |  |                           |         |       |
| TIME                               | 11:20 AM | 12:50 PM        | NB      |  |                           |         |       |
|                                    | 9:00 AM  | 10:30 AM        | SB      |  |                           |         |       |
| OBSERVATION                        |          |                 |         |  |                           |         |       |
| NUMBER OF VEHICLES                 | 243      | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| AVE. SPEED (MPH)                   | 57.79    | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| STANDARD DEVIATION                 | 4.171    | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| PERCENT                            |          | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| VEHICLES TRAVELING AT OR LESS THAN |          | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| DIRECTION                          | NB       | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| NUMBER OF VEHICLES                 | 125      | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| AVERAGE SPEED                      | 57.67    | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| DIRECTION                          | SB       | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| NUMBER OF VEHICLES                 | 118      | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |
| AVERAGE SPEED                      | 57.92    | ENT             | LAST    | ENT  | LAST                      | ENT     | LAST  |



# TABLE A-21 SPEED DATA ALL VEHICLE

STATION RI-1C HIGHWAY I-74 LOCATION 8.7 miles east of SR 229

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION DATE 5/29/80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

TIME 9:10 AM - 11:05 AM FB  
12:30 - 3:40 PM WB

|                     | OBSERVATION | CALL  |     |      | PASSENGER CARS |     |      | NON-INDIANA |     |      | ALL   |     |      | TRUCKS |     |      |
|---------------------|-------------|-------|-----|------|----------------|-----|------|-------------|-----|------|-------|-----|------|--------|-----|------|
|                     |             | LAST  | ENT | PRES | LAST           | ENT | PRES | LAST        | ENT | PRES | LAST  | ENT | PRES | LAST   | ENT | PRES |
| NUMBER OF VEHICLES  |             | 270   |     |      | 184            |     |      | 0           |     |      | 152   |     |      | 0      |     |      |
| AVERAGE SPEED (MPH) |             | 57.10 |     |      | 56.88          |     |      | 57.57       |     |      | 56.22 |     |      | 56.71  |     |      |
| STANDARD DEVIATION  |             | 4.767 |     |      | 4.705          |     |      | 4.891       |     |      | 4.257 |     |      | 4.274  |     |      |
| PERCENT             |             |       |     |      |                |     |      |             |     |      |       |     |      |        |     |      |
| CF                  |             | 1.5   |     |      | 1.1            |     |      | 2.2         |     |      | 3.9   |     |      | 2.9    |     |      |
| VEHICLES            |             | 5.6   |     |      | 6.7            |     |      | 4.7         |     |      | 3.9   |     |      | 31.4   |     |      |
| TRAVELING           |             | 25.7  |     |      | 27.7           |     |      | 19.8        |     |      | 34.2  |     |      | 68.6   |     |      |
| AT OR               |             | 70.7  |     |      | 71.2           |     |      | 62.8        |     |      | 77.6  |     |      | 97.1   |     |      |
| LESS THAN           |             | 94.1  |     |      | 95.1           |     |      | 91.9        |     |      | 98.0  |     |      | 100.0  |     |      |
|                     |             | 99.0  |     |      | 99.5           |     |      | 100.0       |     |      | 100.0 |     |      | 100.0  |     |      |
|                     |             | 99.6  |     |      | 99.5           |     |      | 100.0       |     |      | 100.0 |     |      | 100.0  |     |      |
|                     |             | 100.0 |     |      | 100.0          |     |      | 100.0       |     |      | 100.0 |     |      | 100.0  |     |      |
|                     |             | 100.0 |     |      | 100.0          |     |      | 100.0       |     |      | 100.0 |     |      | 100.0  |     |      |
|                     |             | 100.0 |     |      | 100.0          |     |      | 100.0       |     |      | 100.0 |     |      | 100.0  |     |      |
| DIRECTION           | FB          |       |     |      |                |     |      |             |     |      |       |     |      |        |     |      |
| NUMBER OF VEHICLES  |             | 129   |     |      | 93             |     |      | 36          |     |      | 83    |     |      | 0      |     |      |
| AVERAGE SPEED       |             | 57.8  |     |      | 57.52          |     |      | 59.17       |     |      | 56.92 |     |      | 57.1   |     |      |
| DIRECTION           | WB          |       |     |      |                |     |      |             |     |      |       |     |      |        |     |      |
| NUMBER OF VEHICLES  |             | 141   |     |      | 91             |     |      | 50          |     |      | 69    |     |      | 0      |     |      |
| AVERAGE SPEED       |             | 56.7  |     |      | 56.23          |     |      | 56.72       |     |      | 55.73 |     |      | 56.3   |     |      |





# TABLE A-22 SPEED DATA ALL VEHICLE

STATION 4L-22 HIGHWAY US 30 LOCATION 2.9 miles west of Wanatah City Limit Sign

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Cloudy - Windy

## THIS OBSERVATION

DATE 6/5/80

TIME 12:20 PM EB

WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.     )

DATE     

TIME     

| OBSERVATION         | PASSENGER CARS |      |       | NON-INDIANA |      |       | ALL  |      |       | TRUCKS |      |       |
|---------------------|----------------|------|-------|-------------|------|-------|------|------|-------|--------|------|-------|
|                     | LAST           | ENT  | PRES- | LAST        | ENT  | PRES- | LAST | ENT  | PRES- | LAST   | ENT  | PRES- |
| NUMBER OF VEHICLES  | 100            | 134  |       | 100         | 45   |       | 100  | 194  |       | 100    | 45   |       |
| AVERAGE SPEED (MPH) | 33.4           | 33.4 |       | 33.4        | 36.0 |       | 33.4 | 35.6 |       | 33.4   | 35.6 |       |
| STANDARD DEVIATION  | 4.5            | 4.5  |       | 4.5         | 4.7  |       | 4.5  | 4.8  |       | 4.5    | 4.7  |       |
| PERCENT             |                |      |       |             |      |       |      |      |       |        |      |       |
| IF                  |                |      |       |             |      |       |      |      |       |        |      |       |
| VEHICLES            |                |      |       |             |      |       |      |      |       |        |      |       |
| TRAVELING           |                |      |       |             |      |       |      |      |       |        |      |       |
| AT OR               |                |      |       |             |      |       |      |      |       |        |      |       |
| LESS THAN           |                |      |       |             |      |       |      |      |       |        |      |       |
| IRREGULAR           |                |      |       |             |      |       |      |      |       |        |      |       |
| NUMBER OF VEHICLES  | 100            | 121  |       | 100         | 20   |       | 100  | 92   |       | 100    | 25   |       |
| AVERAGE SPEED (MPH) | 33.4           | 33.4 |       | 33.4        | 36.0 |       | 33.4 | 35.6 |       | 33.4   | 35.6 |       |
| STANDARD DEVIATION  | 4.5            | 4.5  |       | 4.5         | 4.7  |       | 4.5  | 4.8  |       | 4.5    | 4.7  |       |
| PERCENT             |                |      |       |             |      |       |      |      |       |        |      |       |
| IF                  |                |      |       |             |      |       |      |      |       |        |      |       |
| VEHICLES            |                |      |       |             |      |       |      |      |       |        |      |       |
| TRAVELING           |                |      |       |             |      |       |      |      |       |        |      |       |
| AT OR               |                |      |       |             |      |       |      |      |       |        |      |       |
| LESS THAN           |                |      |       |             |      |       |      |      |       |        |      |       |







# TABLE A-24 SPEED DATA ALL VEHICLE

STATION 2L-15 HIGHWAY US 35 LOCATION 2.4 miles east of I-69 - Cleo Glass residence

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Partly Cloudy

## THIS OBSERVATION

DATE 6/2/80

TIME 11:30 AM - 11:30 AM

11:30 AM - 11:30 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

DATE

TIME

## PASSENGER CARS

INDIANA

PRE-

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

## TRUCKS

INDIANA

PRE-

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

## PASSENGER CARS

INDIANA

PRE-

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

## TRUCKS

INDIANA

PRE-

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

## PASSENGER CARS

INDIANA

PRE-

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

## TRUCKS

INDIANA

PRE-

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

## PASSENGER CARS

INDIANA

PRE-

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

## TRUCKS

INDIANA

PRE-

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

## PASSENGER CARS

INDIANA

PRE-

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST

ENI

LAST





# TABLE A-25 SPEED DATA ALL VEHICLE

STATION 2L-47 HIGHWAY US 231 LOCATION 1.65 miles south of US 40

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION DATE 6/12/80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

TIME 9:40 AM - 2:30 PM NB  
9:40 AM - 2:30 PM SB

|                     | PASSENGER CARS |       |             |       | TRUCKS     |       |            |       |
|---------------------|----------------|-------|-------------|-------|------------|-------|------------|-------|
|                     | INDIANA        |       | NON-INDIANA |       | <5000 LBS. |       | >5000 LBS. |       |
|                     | ALL            | PRES  | ALL         | PRES  | ALL        | PRES  | ALL        | PRES  |
| OBSERVATION         | LAST           | ENT   | LAST        | ENT   | LAST       | ENT   | LAST       | ENT   |
| NUMBER OF VEHICLES  | 242            | 226   | 15          | 124   | 0          | 73    | 0          | 111   |
| AVERAGE SPEED (MPH) | 54.76          | 54.76 | 54.47       | 55.61 | 0          | 55.14 | 0          | 55.62 |
| STANDARD DEVIATION  | 4.574          | 4.647 | 3.523       | 4.499 | 0          | 4.544 | 0          | 4.462 |
| PERCENT             |                |       |             |       |            |       |            |       |
| OF                  |                |       |             |       |            |       |            |       |
| VEHICLES            |                |       |             |       |            |       |            |       |
| TRAVELING           |                |       |             |       |            |       |            |       |
| AT OR               |                |       |             |       |            |       |            |       |
| LESS THAN           |                |       |             |       |            |       |            |       |
| DIRECTION           | NB             |       |             |       |            |       |            |       |
| NUMBER OF VEHICLES  | 125            | 119   | 6           | 89    | 0          | 27    | 0          | 62    |
| AVERAGE SPEED       | 55.19          | 55.29 | 55.00       | 55.19 | 0          | 54.52 | 0          | 55.57 |
| DIRECTION           | SB             |       |             |       |            |       |            |       |
| NUMBER OF VEHICLES  | 118            | 109   | 9           | 95    | 0          | 40    | 0          | 49    |
| AVERAGE SPEED       | 54.71          | 54.33 | 54.11       | 53.77 | 0          | 53.55 | 0          | 52.61 |



# TABLE A-26 SPEED DATA ALL VEHICLE

STATION UI-6 HIGHWAY I-65 LOCATION Just east of White River

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Sunny - Hot

## THIS OBSERVATION

DATE 5/28/80

TIME 11:00 - 11:40 AM EB

12:40 - 1:15 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 112)

DATE 4/10/80

TIME 12:00 - 1:10 PM EB

10:30 - 11:10 AM WB

## TRUCKS

<5000 LBS.

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

## PASSENGER CARS

INDIANA

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

OBSERVATION LAST ENT

ALL PRES

INDIANA

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

ENT LAST

PRES

PERCENT

OF

VEHICLES

TRAVELING

AT CR

LESS THAN

DIRECTION OF TRAVEL

VEHICLES

PERCENT

OF VEHICLES

TRAVELING

AT CR

LESS THAN

PERCENT

OF VEHICLES

TRAVELING

AT CR

LESS THAN

PERCENT

OF VEHICLES



# TABLE A-27 SPEED DATA ALL VEHICLE

STATION UI-2 HIGHWAY I-65 LOCATION 1.6 miles south of EB US 30  
 NC. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Sunny

THIS OBSERVATION DATE 6/20/80 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )  
 DATE 6/19/80  
 TIME 11:15 AM - 12:05 PM SB 10:30 - 11:40 AM NB TIME  
 11:15 AM - 12:35 PM SB

|                    |  |  |  |  |  |  |  |  |  | PASSENGER CARS |       |       |       |       |         |       |       |       |       | TRUCKS      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|--------------------|--|--|--|--|--|--|--|--|--|----------------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|                    |  |  |  |  |  |  |  |  |  | ALL            |       |       |       |       | INDIANA |       |       |       |       | NON-INDIANA |       |       |       |       | ALL   |       |       |       |       | PRES. |       |       |       |       |       |       |     |
|                    |  |  |  |  |  |  |  |  |  | LAST           |       | ENT   |       | LAST  |         | ENT   |       | LAST  |       | ENT         |       | LAST  |       | ENT   |       | LAST  |       | ENT   |       | LAST  |       | ENT   |       |       |       |       |     |
|                    |  |  |  |  |  |  |  |  |  | ENT            | PRES. | ENT   | PRES. | ENT   | PRES.   | ENT   | PRES. | ENT   | PRES. | ENT         | PRES. | ENT   | PRES. | ENT   | PRES. | ENT   | PRES. | ENT   | PRES. | ENT   | PRES. |       |       |       |       |       |     |
| (OBSERVATION       |  |  |  |  |  |  |  |  |  | 129            | 129   | 129   | 129   | 129   | 129     | 129   | 129   | 129   | 129   | 129         | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   |     |
| NUMBER OF VEHICLES |  |  |  |  |  |  |  |  |  | 129            | 129   | 129   | 129   | 129   | 129     | 129   | 129   | 129   | 129   | 129         | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   | 129   |       |       |     |
| AVE. SPEED (MPH)   |  |  |  |  |  |  |  |  |  | 56.27          | 56.27 | 56.27 | 56.27 | 56.27 | 56.27   | 56.27 | 56.27 | 56.27 | 56.27 | 56.27       | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 | 56.27 |       |       |     |
| STANDARD DEVIATION |  |  |  |  |  |  |  |  |  | 4.63           | 4.63  | 4.63  | 4.63  | 4.63  | 4.63    | 4.63  | 4.63  | 4.63  | 4.63  | 4.63        | 4.63  | 4.63  | 4.63  | 4.63  | 4.63  | 4.63  | 4.63  | 4.63  | 4.63  | 4.63  | 4.63  | 4.63  | 4.63  |       |       |       |     |
| PERCENT            |  |  |  |  |  |  |  |  |  | 1.4            | 1.4   | 1.4   | 1.4   | 1.4   | 1.4     | 1.4   | 1.4   | 1.4   | 1.4   | 1.4         | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |       |     |
| CF                 |  |  |  |  |  |  |  |  |  | 2.8            | 2.8   | 2.8   | 2.8   | 2.8   | 2.8     | 2.8   | 2.8   | 2.8   | 2.8   | 2.8         | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   |       |     |
| VEHICLES TRAVELING |  |  |  |  |  |  |  |  |  | 28.2           | 28.2  | 28.2  | 28.2  | 28.2  | 28.2    | 28.2  | 28.2  | 28.2  | 28.2  | 28.2        | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  |     |
| AT OR LESS THAN    |  |  |  |  |  |  |  |  |  | 30.7           | 30.7  | 30.7  | 30.7  | 30.7  | 30.7    | 30.7  | 30.7  | 30.7  | 30.7  | 30.7        | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  |       |       |     |
| DIRECTION          |  |  |  |  |  |  |  |  |  | 97.8           | 97.8  | 97.8  | 97.8  | 97.8  | 97.8    | 97.8  | 97.8  | 97.8  | 97.8  | 97.8        | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  |     |
| VEHICLES           |  |  |  |  |  |  |  |  |  | 136            | 136   | 136   | 136   | 136   | 136     | 136   | 136   | 136   | 136   | 136         | 136   | 136   | 136   | 136   | 136   | 136   | 136   | 136   | 136   | 136   | 136   | 136   | 136   | 136   | 136   | 136   |     |
| AVERAGE SPEED      |  |  |  |  |  |  |  |  |  | 56.76          | 56.76 | 56.76 | 56.76 | 56.76 | 56.76   | 56.76 | 56.76 | 56.76 | 56.76 | 56.76       | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 | 56.76 |       |     |
| DIRECTION          |  |  |  |  |  |  |  |  |  | 133            | 133   | 133   | 133   | 133   | 133     | 133   | 133   | 133   | 133   | 133         | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133   | 133 |
| VEHICLES           |  |  |  |  |  |  |  |  |  | 52             | 52    | 52    | 52    | 52    | 52      | 52    | 52    | 52    | 52    | 52          | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52    | 52  |
| AVERAGE SPEED      |  |  |  |  |  |  |  |  |  | 58.67          | 58.67 | 58.67 | 58.67 | 58.67 | 58.67   | 58.67 | 58.67 | 58.67 | 58.67 | 58.67       | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 | 58.67 |     |





STATION TRIALL

NO. OF LANES!

THIS CASE BY

DATE 1  
TIME[illegible]

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 5 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|

---CHSERVATION---LAST---

NUMBER OF VEHICLES

AVE. - S - E - D - (H) -

[illegible]

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
84

HDW 7

25 MAY 1961

PERCENT

CF 42 MPH 1.2

| VEHICLES | MPH |
|----------|-----|
| 1        | 10  |
| 2        | 10  |
| 3        | 10  |
| 4        | 10  |
| 5        | 10  |
| 6        | 10  |
| 7        | 10  |
| 8        | 10  |
| 9        | 10  |
| 10       | 10  |
| 11       | 10  |
| 12       | 10  |
| 13       | 10  |
| 14       | 10  |
| 15       | 10  |
| 16       | 10  |
| 17       | 10  |
| 18       | 10  |
| 19       | 10  |
| 20       | 10  |
| 21       | 10  |
| 22       | 10  |
| 23       | 10  |
| 24       | 10  |
| 25       | 10  |
| 26       | 10  |
| 27       | 10  |
| 28       | 10  |
| 29       | 10  |
| 30       | 10  |
| 31       | 10  |
| 32       | 10  |
| 33       | 10  |
| 34       | 10  |
| 35       | 10  |
| 36       | 10  |
| 37       | 10  |
| 38       | 10  |
| 39       | 10  |
| 40       | 10  |
| 41       | 10  |
| 42       | 10  |
| 43       | 10  |
| 44       | 10  |
| 45       | 10  |
| 46       | 10  |
| 47       | 10  |
| 48       | 10  |
| 49       | 10  |
| 50       | 10  |
| 51       | 10  |
| 52       | 10  |
| 53       | 10  |
| 54       | 10  |
| 55       | 10  |
| 56       | 10  |
| 57       | 10  |
| 58       | 10  |
| 59       | 10  |
| 60       | 10  |
| 61       | 10  |
| 62       | 10  |
| 63       | 10  |
| 64       | 10  |
| 65       | 10  |
| 66       | 10  |
| 67       | 10  |
| 68       | 10  |
| 69       | 10  |
| 70       | 10  |
| 71       | 10  |
| 72       | 10  |
| 73       | 10  |
| 74       | 10  |
| 75       | 10  |
| 76       | 10  |
| 77       | 10  |
| 78       | 10  |
| 79       | 10  |
| 80       | 10  |
| 81       | 10  |
| 82       | 10  |
| 83       | 10  |
| 84       | 10  |
| 85       | 10  |
| 86       | 10  |
| 87       | 10  |
| 88       | 10  |
| 89       | 10  |
| 90       | 10  |
| 91       | 10  |
| 92       | 10  |
| 93       | 10  |
| 94       | 10  |
| 95       | 10  |
| 96       | 10  |
| 97       | 10  |
| 98       | 10  |
| 99       | 10  |
| 100      | 10  |

[illegible]

LESS THAN

72 494

19 MPH

36 APR 73

9 APR 1961













# TABLE A-31 SPEED DATA ALL VEHICLE

STATION--WILL-- HIGHWAY Urban Interstate LOCATION See Individual Stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE April-- June 1980

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

| OBSERVATION         |       | PASSENGER CARS |       | NON-INDIANA |       | ALL   |       | TRUCKS |       |
|---------------------|-------|----------------|-------|-------------|-------|-------|-------|--------|-------|
| NUMBER OF VEHICLES  | LAST  | ENT            | LAST  | ENT         | LAST  | ENT   | LAST  | ENT    | LAST  |
| AVERAGE SPEED (MPH) | 58.12 | 57.62          | 57.12 | 59.52       | 59.52 | 57.62 | 57.12 | 57.55  | 57.12 |
| STANDARD DEVIATION  | 4.678 | 4.537          | 4.537 | 4.543       | 4.543 | 4.837 | 4.837 | 4.756  | 4.756 |
| PERCENT             | 1.0   | 1.0            | 1.0   | 1.0         | 1.0   | 1.0   | 1.0   | 1.0    | 1.0   |
| OF VEHICLES         | 1.0   | 1.0            | 1.0   | 1.0         | 1.0   | 1.0   | 1.0   | 1.0    | 1.0   |
| TRAVELING           | 1.0   | 1.0            | 1.0   | 1.0         | 1.0   | 1.0   | 1.0   | 1.0    | 1.0   |
| AT CR               | 1.0   | 1.0            | 1.0   | 1.0         | 1.0   | 1.0   | 1.0   | 1.0    | 1.0   |
| LESS THAN           | 1.0   | 1.0            | 1.0   | 1.0         | 1.0   | 1.0   | 1.0   | 1.0    | 1.0   |



# TABLE A-32. SPEED DATA ALL VEHICLE

| STATION            |  | ALL             |  | HIGHWAY |  | Indiana System |  | LOCATION |  | See Individual Stations |  | WEATHER |  | THIS OBSERVATION |  | LAST PREVIOUS OBSERVATION (SPED REPORT NO.) |  |
|--------------------|--|-----------------|--|---------|--|----------------|--|----------|--|-------------------------|--|---------|--|------------------|--|---|--|
| NO. OF LANES       |  | TYPE OF SURFACE |  | DATE    |  | TIME           |  | DATE     |  | TIME                    |  | DATE    |  | TIME             |  | DATE  |  |
| ALL                |  | PRES            |  | ALL     |  | PRES           |  | ALL      |  | PRES                    |  | ALL     |  | PRES             |  | ALL   |  |
| OBSERVATION        |  | LAST            |  | ENT     |  | LAST           |  | ENT      |  | LAST                    |  | ENT     |  | LAST             |  | ENT   |  |
| NUMBER OF VEHICLES |  | 2161            |  | 1686    |  | 1686           |  | 1686     |  | 1686                    |  | 1686    |  | 1686             |  | 1686  |  |
| AVE. SPEED (MPH)   |  | 50.35           |  | 50.35   |  | 50.35          |  | 50.35    |  | 50.35                   |  | 50.35   |  | 50.35            |  | 50.35                                       |  |
| STANDARD DEVIATION |  | 4.985           |  | 4.914   |  | 4.914          |  | 4.914    |  | 4.914                   |  | 4.914   |  | 4.914            |  | 4.914                                       |  |
| 34 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 29 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 34 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 35 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 74 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 49 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 59 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 64 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 62 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 74 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 79 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 84 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |
| 89 MPH             |  | 1.0             |  | 1.0     |  | 1.0            |  | 1.0      |  | 1.0                     |  | 1.0     |  | 1.0              |  | 1.0   |  |



TABLE A-33

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                  |                   |                             |                                 |
|----------------------------------|-------------------|-----------------------------|---------------------------------|
| HIGHWAY CATEGORY                 | INTERSTATE, RURAL |                             |                                 |
| STATION NUMBER                   | RI-6              | LOCATION                    | I-65, 7.5 miles north of SR 160 |
| NUMBER OF SESSIONS               | 1                 | DATE                        | 6-11-80                         |
|                                  |                   | VEHICLES MEASURED           | 424                             |
| AVERAGE SPEED (MPH)              | 52.5              | STANDARD DEVIATION          | 4.2                             |
| MEDIAN SPEED (MPH)               | 52.2              | 85TH PERCENTILE SPEED (MPH) | 61.4                            |
| PERCENTAGE OF VEHICLES EXCEEDED: |                   |                             |                                 |
| 75 MPH                           | 22                | 70 MPH                      | 22                              |
|                                  |                   | 65 MPH                      | 5                               |





TABLE A-34

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                     |                               |
|-------------------------------------|-------------------------------|
| HIGHWAY CATEGORY                    | INTERSTATE, RURAL             |
| STATION NUMBER                      | RI-21                         |
| LOCATION                            | I-69, 1.6 miles south of SR18 |
| NUMBER OF SESSIONS                  | 1                             |
| DATES                               | 6-4-80                        |
| VEHICLES MEASURED                   | 425                           |
| AVERAGE SPEED (MPH)                 | 58.9                          |
| STANDARD DEVIATION                  | 4.5                           |
| MEDIAN SPEED (MPH)                  | 58.1                          |
| 85TH PERCENTILE SPEED (MPH)         | 62.9                          |
| PERCENTAGE OF VEHICLES IN CATEGORY: |                               |
| 55 MPH                              | 79                            |
| 60 MPH                              | 31                            |
| 65 MPH                              | 7                             |



TABLE A-35

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                   |                   |                             |                                |
|-----------------------------------|-------------------|-----------------------------|--------------------------------|
| HIGHWAY CATEGORY                  | INTERSTATE, RURAL |                             |                                |
| STATION NUMBER                    | RI-12             | LOCATION                    | I-74, 8.7 miles east of SR 229 |
| NUMBER OF SESSIONS                | 1                 | DATES                       | 5-29-80                        |
| AVERAGE SPEED (MPH)               | 57.4              | STANDARD DEVIATION          | 5.0                            |
| MEDIAN SPEED (MPH)                | 56.5              | 85TH PERCENTILE SPEED (MPH) | 61.1                           |
| PERCENTAGE OF VEHICLES EXCEEDING: |                   |                             |                                |
| 55 MPH                            | 62                | 60 MPH                      | 22                             |
|                                   |                   | 65 MPH                      | 6                              |



TABLE A-36

## SPEED-MONITORING STATION SUMMARY FREE FLOW

|                                   |                   |  |
|-----------------------------------|-------------------|--|
| HIGHWAY CATEGORY                  | INTERSTATE, RURAL |  |
| STATION NUMBER                    | RI-28             | LOCATION I-80 & I-90, 18.2 miles east of SR 39 |
| NUMBER OF SESSIONS                | 1                 | DATES 6-16-80 VEHICLES MEASURED 422            |
| AVERAGE SPEED (MPH)               | 59.6              | STANDARD DEVIATION 4.5                         |
| MEDIAN SPEED (MPH)                | 59.1              | 85TH PERCENTILE SPEED (MPH) 63.3               |
| PERCENTAGE OF VEHICLES EXCEEDING: |                   |  |
| 55 MPH                            | 83                | 60 MPH 47 65 MPH 0                             |





TABLE A-37

SELECTED MONITORING STATION SUMMARY FREE FLOW

|                                   |  |
|-----------------------------------|--|
| HIGHWAY CATEGORY                  | MULTI-LANE DIVIDED (FREE)                          |
| STATION NUMBER                    | 44-17 LOCATION US 52, 150 feet east of CR 475 West |
| NUMBER OF SESSIONS                | 1 DATES 5-27-80 VEHICLES MEASURED 425              |
| AVERAGE SPEED (MPH)               | 55.6 STANDARD DEVIATION 5.2                        |
| MEDIAN SPEED (MPH)                | 55.2 85TH PERCENTILE SPEED (MPH) 59.9              |
| PERCENTAGE OF VEHICLES EXCEEDING: |  |
| 55 MPH                            | 52   |
| 60 MPH                            | 14   |
| 65 MPH                            | 2  |



SPEED MONITORING STATION SUMMARY FREE FLOW

|                                   |  |
|-----------------------------------|--|
| HIGHWAY CATEGORY                  | MULTI-LANE DIVIDED (FREE)              |
| STATION NUMBER                    | 41-32                                  |
| LOCATION                          | US 30, 2.9 miles west of Wapahoga City |
| NUMBER OF SESSIONS                | 1                                      |
| DATES                             | 6-5-80                                 |
| VEHICLES MEASURED                 | 422                                    |
| AVERAGE SPEED (MPH)               | 56.7                                   |
| STANDARD DEVIATION                | 4.8                                    |
| MEDIAN SPEED (MPH)                | 56.4                                   |
| 85TH PERCENTILE SPEED (MPH)       | 61.9                                   |
| PERCENTAGE OF VEHICLES EXCEEDING: |  |
| 55 MPH                            | 61.9                                   |
| 60 MPH                            | 61.9                                   |
| 65 MPH                            | 61.9                                   |



TABLE A-39

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                   |                             |                             |                                  |
|-----------------------------------|-----------------------------|-----------------------------|----------------------------------|
| HIGHWAY CATEGORY                  | MULTI-LANE, DIVIDED (RURAL) |                             |                                  |
| STATION NUMBER                    | 41-13                       | LOCATION                    | US 31; 3.55 miles north of SR 44 |
| NUMBER OF SESSIONS                | 1                           | DATES                       | 6-18-80                          |
| AVERAGE SPEED (MPH)               | 55.4                        | STANDARD DEVIATION          | 5.4                              |
| MEDIAN SPEED (MPH)                | 54.5                        | 85TH PERCENTILE SPEED (MPH) | 59.8                             |
| PERCENTAGE OF VEHICLES EXCEEDING: |                             |                             |                                  |
| 55 MPH                            | 42                          | 65 MPH                      | 14                               |
|                                   |                             |                             | 3                                |





TABLE A-40

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                   |                                 |
|-----------------------------------|---------------------------------|
| HIGHWAY CATEGORY                  | MULTI-LANE 2-DIVIDED (RURAL)    |
| STATION NUMBER                    | 41-29                           |
| LOCATION                          | US 30; 5.35 miles east of SR 15 |
| NUMBER OF SESSIONS                | 1                               |
| DATES                             | 6-23-80                         |
| VEHICLES MEASURED                 | 424                             |
| AVERAGE SPEED (MPH)               | 56.4                            |
| STANDARD DEVIATION                | 4.3                             |
| MEDIAN SPEED (MPH)                | 55.2                            |
| 85TH PERCENTILE SPEED (MPH)       | 61.4                            |
| PERCENTAGE OF VEHICLES EXCEEDING: |                                 |
| 65 MPH                            | 52.1                            |
| 60 MPH                            | 17.0                            |
| 55 MPH                            | 2.4                             |



TABLE A-41

## SPEED MONITORING STATION SUMMARY      FREE FLOW

|                                   |                |   |
|-----------------------------------|----------------|---|
| HIGHWAY CATEGORY                  | TWO-LANE RURAL |   |
| STATION NUMBER                    | 21-18          | LOCATION US 35; front of Cleo Glass home about 2.4 miles east of I-69 |
| NUMBER OF SESSIONS                | 1              | DATE 6-2-80   |
| AVERAGE SPEED (MPH)               | 53.9           | STANDARD DEVIATION 5.2  |
| MEDIAN SPEED (MPH)                | 53.5           | 65th PERCENTILE SPEED (MPH) 59.5                                      |
| PERCENTAGE OF VEHICLES EXCEEDING: |                |   |
| 55 MPH                            | 39             | 60 MPH 11   |
|                                   |                | 65 MPH 2  |



TABLE A-42

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                   |   |
|-----------------------------------|---|
| HIGHWAY CATEGORY                  | TWO-LANE, RURAL                                 |
| STATION NUMBER                    | 21-54 LOCATION US 231; 1.1 mile south of SR 234 |
| NUMBER OF SESSIONS                | 1 DATES 6-9-80 VEHICLES MEASURED 432            |
| AVERAGE SPEED (MPH)               | 54.7 STANDARD DEVIATION 4.9                     |
| MEDIAN SPEED (MPH)                | 54.2 85TH PERCENTILE SPEED (MPH) 59.2           |
| PERCENTAGE OF VEHICLES EXCEEDING: |   |
| 55 MPH                            | 42  |
| 60 MPH                            | 11  |
| 65 MPH                            | 1   |





TABLE A-43

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| HIGHWAY CATEGORY                  | TWO-LANE, RURAL                   |
| STATION NUMBER                    | 21-67                             |
| LOCATION                          | US 231, 1.65 miles south of US 40 |
| NUMBER OF SESSIONS                | 1                                 |
| DATES                             | 6-12-80                           |
| VEHICLES MEASURED                 | 425                               |
| AVERAGE SPEED (MPH)               | 55.5                              |
| STANDARD DEVIATION                | 5.0                               |
| MEDIAN SPEED (MPH)                | 55.5                              |
| 85TH PERCENTILE SPEED (MPH)       | 59.8                              |
| PERCENTAGE OF VEHICLES EXCEEDING: |                                   |
| 55 MPH                            | 50                                |
| 60 MPH                            | 14                                |
| 65 MPH                            | 2                                 |



TABLE A-44

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                   |                |  |
|-----------------------------------|----------------|--|
| HIGHWAY CATEGORY                  | TWO-LANE RURAL |  |
| STATION NUMBER                    | 21-74          | LOCATION US 231, 2 miles south of SR 70 at RD. 600 North |
| NUMBER OF SESSIONS                | 1              | DATES 6-10-80 VEHICLES MEASURED 428                      |
| AVERAGE SPEED (MPH)               | 56.2           | STANDARD DEVIATION 5.3                                   |
| MEDIAN SPEED (MPH)                | 55.6           | 85TH PERCENTILE SPEED (MPH) 62.6                         |
| PERCENTAGE OF VEHICLES EXCEEDING: |                |  |
| 55 MPH                            | 55             | 60 MPH 18 65 MPH 3                                       |



TABLE A-45

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                   |            |   |
|-----------------------------------|------------|---|
| HIGHWAY CATEGORY                  | INTERSTATE | UF 1A                                   |
| STATION NUMBER                    | UI-6       | LOCATION I-65, just east of White River |
| NUMBER OF SESSIONS                | 1          | DATES 5-28-80                           |
| AVERAGE SPEED (MPH)               | 57.4       | STANDARD DEVIATION 5.1                  |
| MEDIAN SPEED (MPH)                | 56.7       | 85TH PERCENTILE SPEED (MPH) 61.5        |
| PERCENTAGE OF VEHICLES EXCEEDING: |            |   |
| 55 MPH                            | 66         | 65 MPH 27                               |
|                                   |            | 5                                       |





TABLE A-46

## SPEED MONITORING STATION SUMMARY FREE FLOW

|                                   |                   |                             |                                     |
|-----------------------------------|-------------------|-----------------------------|-------------------------------------|
| HIGHWAY CATEGORY                  | INTERSTATE, URBAN |                             |                                     |
| STATION NUMBER                    | 01-2              | LOCATION                    | I-65; 1.6 miles south of E.B. US 30 |
| NUMBER OF SESSIONS                | 1                 | DATES                       | 6-20-80                             |
| AVERAGE SPEED (MPH)               | 58.7              | STANDARD DEVIATION          | 4.2                                 |
| MEDIAN SPEED (MPH)                | 57.9              | 65TH PERCENTILE SPEED (MPH) | 62.4                                |
| PERCENTAGE OF VEHICLES EXCEEDING: |                   |                             |                                     |
| 55 MPH                            | 83                | 60 MPH                      | 28                                  |
|                                   |                   | 65 MPH                      | 7                                   |



TABLE A-47

## SPEED MONITORING STATION SUMMARY Every 2nd Vehicle

|                                   |                           |
|-----------------------------------|---------------------------|
| HIGHWAY CATEGORY                  | INTERSTATE, RURAL         |
| STATION NUMBER                    | RI-66                     |
| LOCATION                          | 7.5 miles north of SR 160 |
| NUMBER OF SESSIONS                | 1                         |
| DATES                             | 6-11-80                   |
| VEHICLES MEASURED                 | 425                       |
| AVERAGE SPEED (MPH)               | 57.6                      |
| STANDARD DEVIATION                | 4.2                       |
| MEDIAN SPEED (MPH)                | 57.1                      |
| 85TH PERCENTILE SPEED (MPH)       | 61.2                      |
| PERCENTAGE OF VEHICLES EXCEEDING: |                           |
| 55 MPH                            | 20                        |
| 60 MPH                            | 23                        |
| 65 MPH                            | 4                         |



TABLE A-48

## SPEED MONITORING STATION SUMMARY Every 2nd Vehicle

|                                   |            |   |
|-----------------------------------|------------|---|
| HIGHWAY CATEGORY                  | INTERSTATE | RURAL                                   |
| STATION NUMBER                    | KI-10      | LOCATION I-74, 8.7 miles east of SR 229 |
| NUMBER OF SESSIONS                | 1          | DATES 5-29-80                           |
| AVERAGE SPEED (MPH)               | 56.8       | STANDARD DEVIATION 4.6                  |
| MEDIAN SPEED (MPH)                | 56.5       | 85TH PERCENTILE SPEED (MPH) 62.6        |
| PERCENTAGE OF VEHICLES EXCEEDING: |            |   |
| 55 MPH                            | 63         | 60 MPH 18                               |
|                                   |            | 65 MPH 3                                |



TABLE A-49

## SPEED MONITORING STATION SUMMARY Every 2nd Vehicle

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| HIGHWAY CATEGORY                  | MULTI-LANE DIVIDED (RURAL)            |
| STATION NUMBER                    | 41-32                                 |
| LOCATION                          | US 30: 2.9 miles west of Manatah City |
| NUMBER OF SESSIONS                | 1                                     |
| DATES                             | 6-5-80                                |
|                                   | limit sign                            |
|                                   | VEHICLES MEASURED                     |
| AVERAGE SPEED (MPH)               | 55.8                                  |
|                                   | STANDARD DEVIATION                    |
| MEDIAN SPEED (MPH)                | 55.4                                  |
|                                   | 85TH PERCENTILE SPEED (MPH)           |
| PERCENTAGE OF VEHICLES EXCEEDING: |                                       |
| 55 MPH                            | 55.60 MPH                             |
|                                   | 13.65 MPH                             |
|                                   | 2.2                                   |





TABLE A-50

## SPEED MONITORING STATION SUMMARY Every 2nd Vehicle

|                                   |   |
|-----------------------------------|---|
| HIGHWAY CATEGORY                  | MULTI-LANE, DIVIDED (RURAL)                     |
| STATION NUMBER                    | 41-13 LOCATION US 31, 3.55 miles north of SR 44 |
| NUMBER OF SESSIONS                | 1 DATES 6-18-80 VEHICLES MEASURED 426           |
| AVERAGE SPEED (MPH)               | 55.5 STANDARD DEVIATION 5.4                     |
| MEDIAN SPEED (MPH)                | 54.8 85TH PERCENTILE SPEED (MPH) 60.0           |
| PERCENTAGE OF VEHICLES EXCEEDING: |   |
| 55 MPH                            | 48  |
| 60 MPH                            | 15  |
|                                   | 2   |



TABLE A-5J

## SPEED MONITORING STATION SUMMARY Every 2nd Vehicle

HIGHWAY CATEGORY TWO-LANE, RURAL  
 STATION NUMBER 2L-18 LOCATION US 35, 2.4 miles east of I-69-Cleo Class residence  
 NUMBER OF SESSIONS 1 DATES 6-2-80 VEHICLES MEASURED 432  
 AVERAGE SPEED (MPH) 53.5 STANDARD DEVIATION 5.2  
 MEDIAN SPEED (MPH) 53.6 85TH PERCENTILE SPEED (MPH) 57.6  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 36 60 MPH 7 65 MPH 1



TABLE A-52

## SPEED MONITORING STATION SUMMARY Every 2nd Vehicle

|                                   |                 |                                      |
|-----------------------------------|-----------------|--------------------------------------|
| HIGHWAY CATEGORY                  | TWO-LANE, RURAL |                                      |
| STATION NUMBER                    | 26-67           | LOCATION US 231, 1.65 miles of US 40 |
| NUMBER OF SESSIONS                | 1               | DATES 6-12-80 VEHICLES MEASURED 427  |
| AVERAGE SPEED (MPH)               | 55.1            | STANDARD DEVIATION 4.6               |
| MEDIAN SPEED (MPH)                | 54.5            | 85TH PERCENTILE SPEED (MPH) 59.5     |
| PERCENTAGE OF VEHICLES EXCEEDING: |                 |                                      |
| 55 MPH                            | 45              | 60 MPH 13                            |
|                                   |                 | 65 MPH 1                             |



TABLE A-53

## SPEED MONITORING STATION SUMMARY Every 2nd Vehicle

|                                   |                   |                             |                                |
|-----------------------------------|-------------------|-----------------------------|--------------------------------|
| HIGHWAY CATEGORY                  | INTERSTATE, URBAN |                             |                                |
| STATION NUMBER                    | UI-6              | LOCATION                    | I-65, just east of White River |
| NUMBER OF SESSIONS                | 1                 | DATES                       | 5-28-80                        |
|                                   |                   | VEHICLES MEASURED           | 430                            |
| AVERAGE SPEED (MPH)               | 57.6              | STANDARD DEVIATION          | 4.8                            |
| MEDIAN SPEED (MPH)                | 56.5              | 85TH PERCENTILE SPEED (MPH) | 62.2                           |
| PERCENTAGE OF VEHICLES EXCEEDING: |                   |                             |                                |
| 55 MPH                            | 68                | 60 MPH                      | 26                             |
|                                   |                   | 65 MPH                      | 5                              |







COVER DESIGN BY ALDO GIORGINI